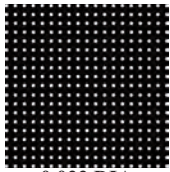


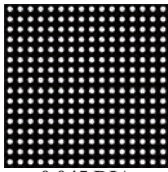
SCREEN OPTIONS

The screen or basket is the heart of the Keckley strainer. The media flows into the open end of the screen or basket and is strained as it passes through the screen towards the outlet. All particles larger than the screen opening are trapped inside. Screens are provided in perforated metal or wire mesh, depending on strainer size and/or material being strained. Only the best materials of the proper gauge to suit the service are used. All seams are spot welded for maximum strength. Double or reinforced screens are spot welded on the end peripheries as well as the seams. Reinforced screens consist of a perforated sheet lined with wire mesh. Keckley engineers have designed the screens to provide maximum total screen area.

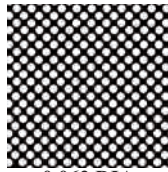
Perforated Sheet Metal Sizes



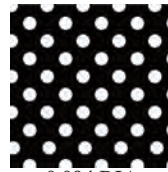
0.033 DIA
1/32" Approximately
331 Holes Per Sq. In.
29% Open Area



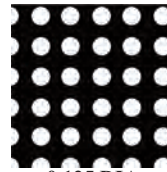
0.045 DIA
3/64" Approximately
225 Holes Per Sq. In.
33% Open Area



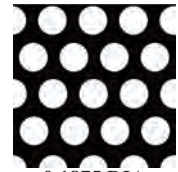
0.062 DIA
1/16" Approximately
98 Holes Per Sq. In.
30% Open Area



0.094 DIA
3/32" Approximately
51 Holes Per Sq. In.
36% Open Area



0.125 DIA
1/8" Approximately
29 Holes Per Sq. In.
43% Open Area



0.1875 DIA
3/16" Approximately
18 Holes Per Sq. In.
51% Open Area

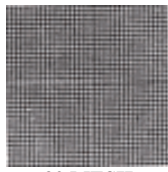
Mesh Sizes



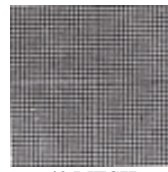
0.25 DIA
1/4" Approximately
12 Holes Per Sq. In.
58% Open Area



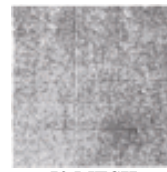
20 MESH
Wire Dia. 0.015
Opening 0.034
49% Open Area



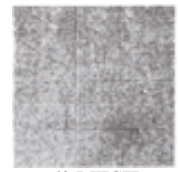
30 MESH
Wire Dia. 0.011
Opening 0.021
45% Open Area



40 MESH
Wire Dia. 0.009
Opening 0.016
41% Open Area



50 MESH
Wire Dia. 0.0085
Opening 0.011
33% Open Area



60 MESH
Wire Dia. 0.0065
Opening 0.010
38% Open Area



80 MESH
Wire Dia. 0.0055
Opening 0.0070
31% Open Area



100 MESH
Wire Dia. 0.0045
Opening 0.0055
30% Open Area



150 MESH
Wire Dia. 0.0026
Opening 0.0041
37% Open Area



200 MESH
Wire Dia. 0.0021
Opening 0.0029
34% Open Area



***300 MESH**
Wire Dia. 0.0012
Opening 0.002
41% Open Area

*300 Mesh available in Duplex Strainers only.

Stainless steel screens are standard in all strainers except for Style F-300, E-300 and flanged bronze strainers; these strainers are supplied with brass screens. Other screen materials are available upon request (i.e. 316 SS, Monel, Hastelloy C276, Alloy 20, Duplex Stainless Steel, Titanium). In stainless steel, the smallest perforation obtainable is generally twice the thickness of the metal itself. Therefore, perforations from 0.033" through 0.250", dependent on metal thickness, are readily available. When extra fine straining is required of the larger strainers, reinforced screens consisting of a perforated sheet lined with wire mesh are recommended. This allows removal of fine particles with added durability.



Strainer Information

MAGNETS

Magnets can be provided as an option which, when placed inside the strainer screen, will remove very fine iron or steel particles present in fluid.

Magnets provide protection for equipment against abrasive damage.

Strainer Size	Magnets required
2½" – 4"	1 magnets
5" – 6"	2 magnets
8" – 10"	3 magnets
12" – 14"	4 magnets
16" – 18"	5 magnets

*Sizes 2" and smaller strainers can be furnished with magnetic plugs.

REINFORCING BANDS

Reinforcing bands can be used to add additional strength and durability to the screens or baskets when straining conditions have higher than normal pressure drops.

DETERMINING NET FREE AREA RATIOS

To calculate the ratio, use the following formula:

Formula:

1. Choose the size perforation or mesh needed to remove particles from the media passing through the strainer.
2. Multiply the *TOTAL SCREEN AREA* by the *PERCENT OF OPEN AREA of the screen*. The result equals the *OPEN AREA of the screen*.
3. Divide the result (*OPEN AREA of the screen*) by the *INSIDE AREA of the pipe* to give the ratio of net free area of the screen to the pipe.

Example: (2" Style B screwed "Y" strainer with a 20 mesh 304 stainless steel screen)

$$\begin{aligned}
 &36.23 \text{ (total screen area in}^2\text{)} \\
 &\times .49 \text{ (20 mesh = 49\% open area)} \\
 &17.753 \text{ (total open area of screen)}
 \end{aligned}$$

$$\begin{aligned}
 &17.753" / 3.356" \text{ (inside area of 2" pipe)} = 5.29:1 \\
 &\text{(RATIO OF NET FREE AREA OF THE SCREEN TO PIPE AREA)}
 \end{aligned}$$

INSIDE AREA OF THE PIPE (in ²)							
Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	0.104	1-1/4"	1.496	4"	12.732	12"	111.946
3/8"	0.191	1-1/2"	2.036	5"	20.008	14"	135.294
1/2"	0.304	2"	3.356	6"	28.894	16"	176.738
3/4"	0.534	2-1/2"	4.788	8"	48.914	18"	223.71
1"	0.864	3"	7.394	10"	78.865	20"	278.04

Screen Opening Equivalents

Fractional Inches	Decimal Inches	Millimeters	Microns	Mesh
--	0.001	--	25	--
--	0.0015	--	37	400
--	0.002	--	50	300
--	0.003	--	75	200
--	0.004	1/10	100	150
--	0.005	1/8	125	115
--	0.006	--	149	100
--	0.007	--	177	80
--	0.010	1/4	250	60
--	0.011	--	280	50
--	0.016	--	406	40
--	0.020	1/2	500	--
--	0.021	--	533	30
--	0.030	3/4	750	--
1/32	0.033	--	838	--
--	0.034	--	840	20
--	0.039	1	1000	16
3/64	0.045	--	1143	--
--	0.046	--	1190	14
--	0.055	--	1410	12
--	0.059	1-1/2	1500	--
1/16	0.062	--	1575	--
--	0.065	--	1680	10
--	0.079	2	2000	9
--	0.093	--	2380	8
3/32	0.094	--	2388	--
--	0.110	--	2790	7
--	0.118	3	3000	--
1/8	0.125	--	3175	--
--	0.131	--	3330	6
--	0.156	4	4000	5
--	0.185	--	4700	4
3/16	0.1875	--	4763	--
--	0.197	5	5000	--
--	0.236	6	6000	--
1/4	0.250	--	6350	--
--	0.263	--	6700	3

Sizes in **bold red** are available from stock at Keckley Company. Consult Factory for the availability of other sizes including those not listed.

KECKLEY PIPELINE STRAINERS

INSTALLATION AND MAINTENANCE

GENERAL

A Y-strainer can be installed in either a horizontal or vertical position (Downward flow) with the screen element pointing downward. This allows the strainer screen to collect material in the strainer at the lowest point of the screen.

Basket strainers are designed for installation in horizontal lines. They are commonly used for liquid service applications.

INSTALLATION

Carefully check all machined surfaces to make sure they are free of defects, and the inside of the strainer is free of foreign objects. All strainers should be installed with the arrow on the strainer body pointing in the direction of flow. For installation of threaded strainers an appropriate sealant should be used on the threads. For the installation of flanged strainers the flanged bolting should be tightened gradually going back and forth in a clockwise rotation until all bolts are tight. The system can now be pressurized gradually while checking for any leakage around all connections. If leakage occurs, depressurize the system and start the installation procedure over.

MAINTENANCE

WARNING

Before the removal or loosening of any bushing, cap, plug or cover on a strainer, extreme caution should be exercised to ensure there is zero pounds pressure in the system. Only after the system has been depressurized, should the strainer be drained for service.

***SERVICE ON A PRESSURIZED STRAINER CAN CAUSE
SERIOUS INJURY AND/OR PROPERTY DAMAGE.***

A Y-strainer screen can be cleaned by removing the plug in the bushing, cap or bolted cover allowing the strainer to drain the loose material inside the screen. If a blow-off valve is connected to the strainer it can be opened to achieve the same result as the above. The Y-strainer screen can also be cleaned by removing the bushing, cap or cover to access the screen element.

Basket strainers with a closed bottom basket can be cleaned by removing the cap or cover and pulling out the basket screen for service. If the strainer screen is bottomless (Style DV, BDV, SDV) the blow-off plug can be removed allowing it to be drained and cleaned like a Y-strainer.

Care should be taken in cleaning screens. After removing a screen, it should be soaked in a cleaning solution or cleaned by using a brush. Do not allow trapped material in the screen to harden, as it will be difficult to remove. A regular cleaning schedule is recommended to avoid screens from becoming clogged.

A pressure gauge installed before and after a strainer will indicate a pressure loss due to clogging. This can help in establishing a maintenance schedule for cleaning the strainer screen. Extra screens can be useful in keeping the system operating during the cleaning process.

Style SSA-7A2

Y-Strainer, 150 lb. & 300 lb. Flanged
Cast Alloy 20 (ASTM A 351, Grade CN7M)

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

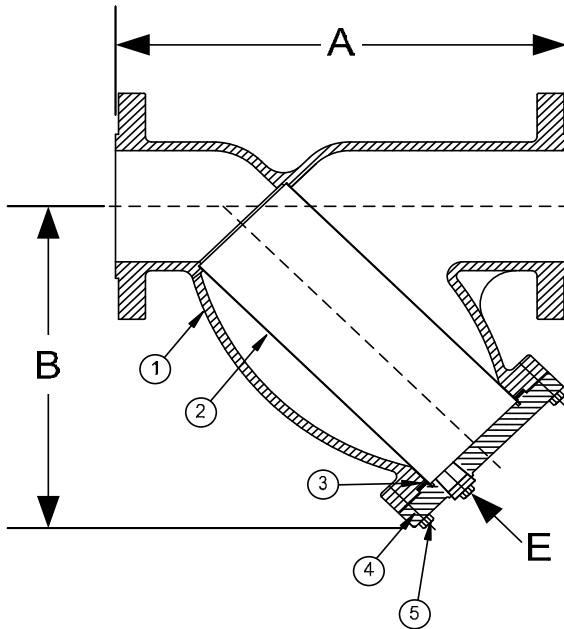
*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.



SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

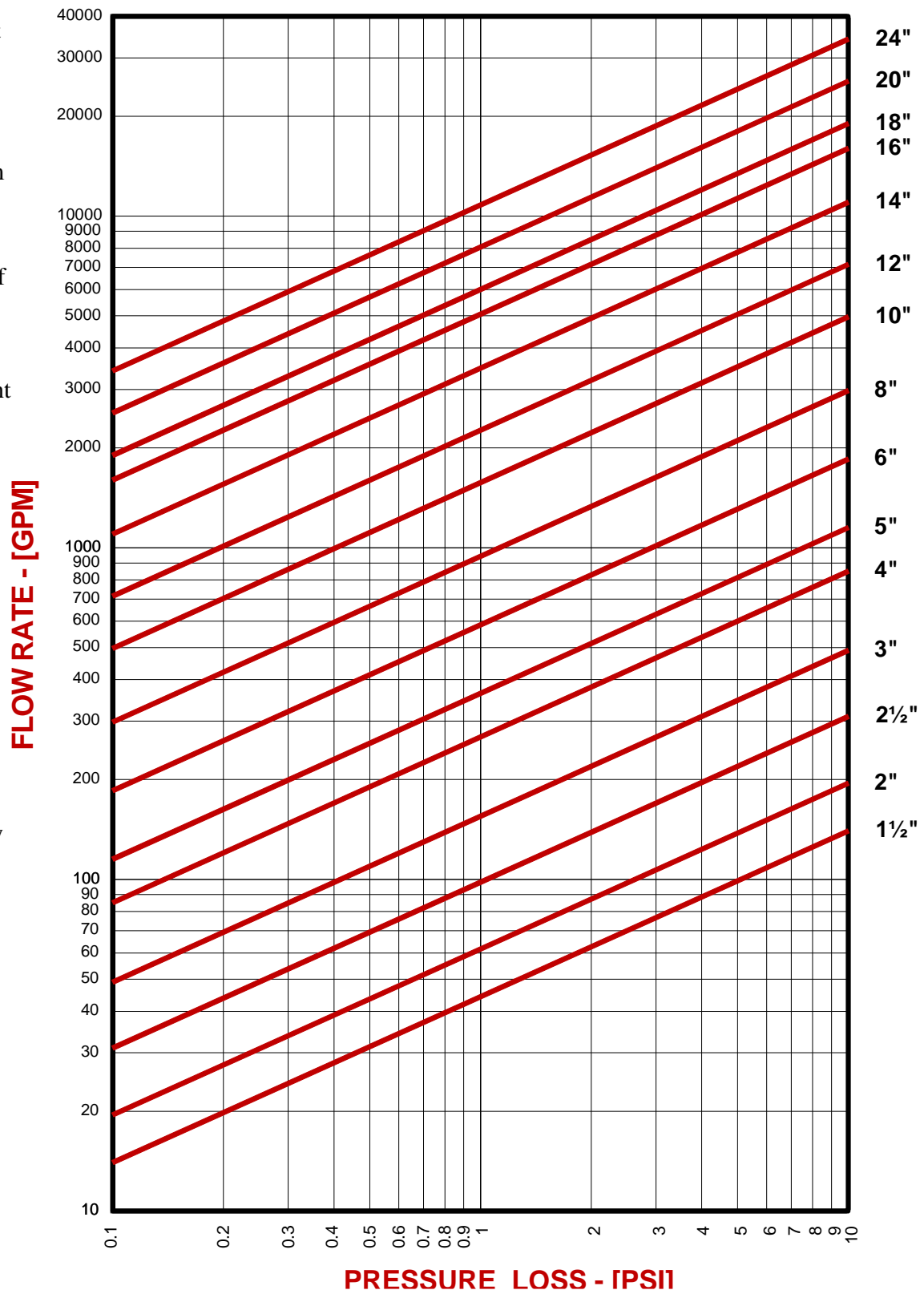
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

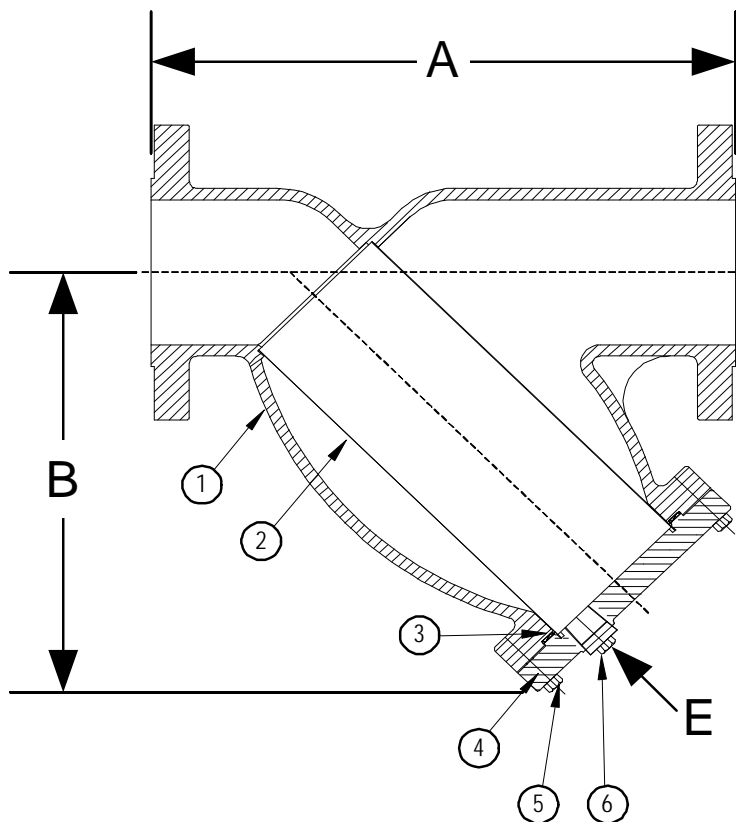
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025A2



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-A2045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-A2045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-A2045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-A2045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-A2045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-A2045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-A2045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-A2045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-A2045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-A2045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-A2045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-A2045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-A2045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-A2062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-A2062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025A2

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SSA-7A2

SCALE: NTS

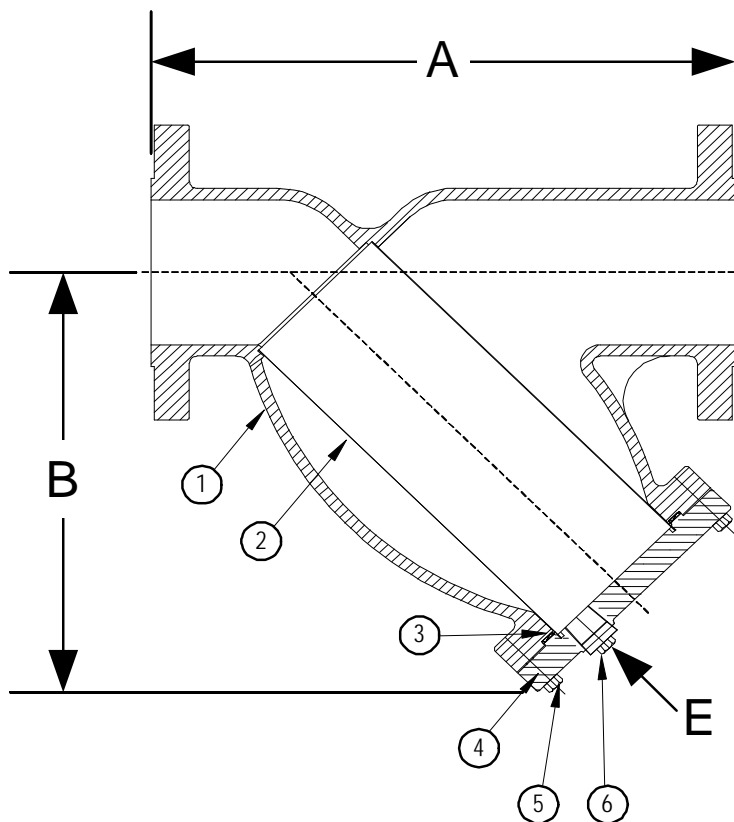
DATE: 07/01/2011

MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77027A2



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-A2045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-A2045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-A2045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-A2045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-A2045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-A2045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-A2045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-A2045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-A2045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-A2045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-A2045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-A2045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-A2045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-A2062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-A2062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77027A2

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SSA-7A2

SCALE: NTS

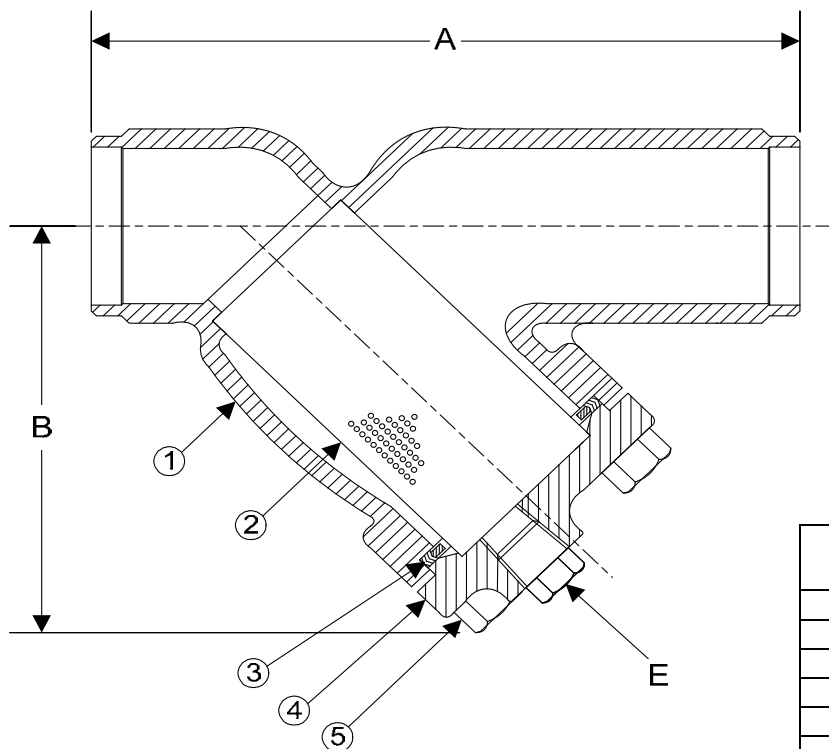
DATE: 07/01/2011

MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90300A2



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-A2045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-A2045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-A2045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-A2045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-A2045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-A2045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-A2045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-A2045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-A2045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-A2045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-A2045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-A2045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-A2045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-A2062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

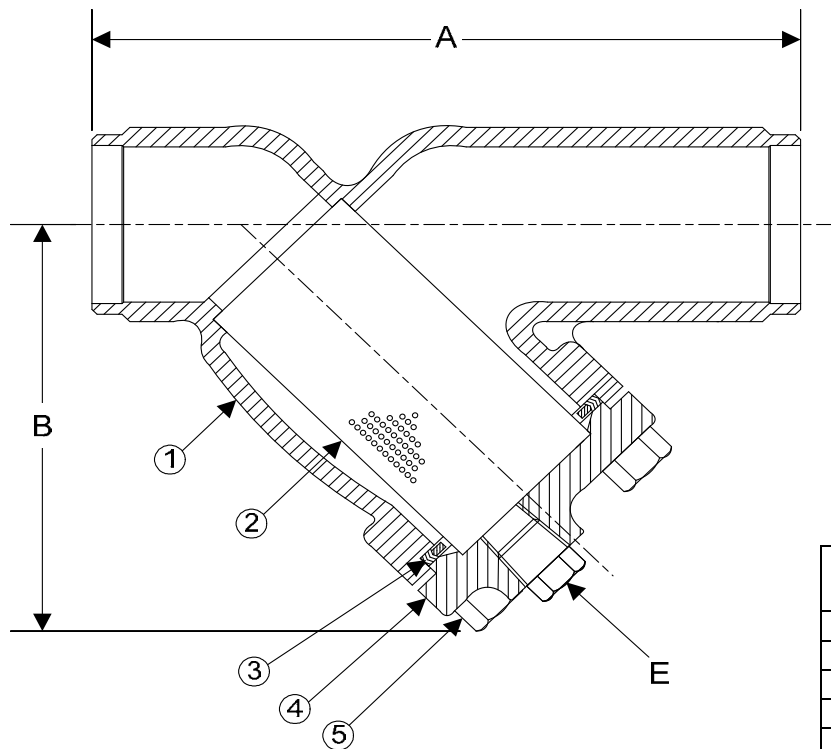
KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300A2

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 150# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7A2		DATE: 07/01/2011
MAT'L: Cast Alloy 20	REQ. ---	DR. BY DSF

DRAWING NO.
AL 90340A2



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-A2045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-A2045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-A2045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-A2045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-A2045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-A2045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-A2045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-A2045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-A2045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-A2045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-A2045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-A2045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-A2045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-A2062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

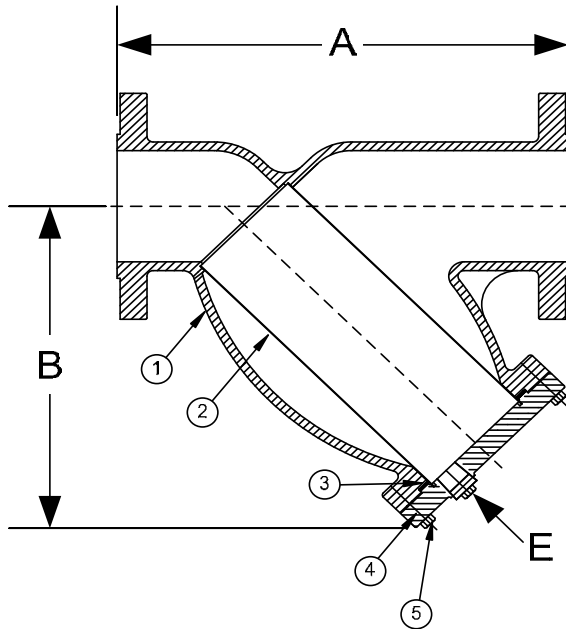
DRAWING NO.
AL 90340A2

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 300# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7A2		DATE: 07/01/2011
MAT'L: Cast Alloy 20	REQ. ---	DR. BY DSF

Style SSA-A2

Y-Strainer, 600 lb. Flanged

Cast Alloy 20 (ASTM A 351, Grade CN7M)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

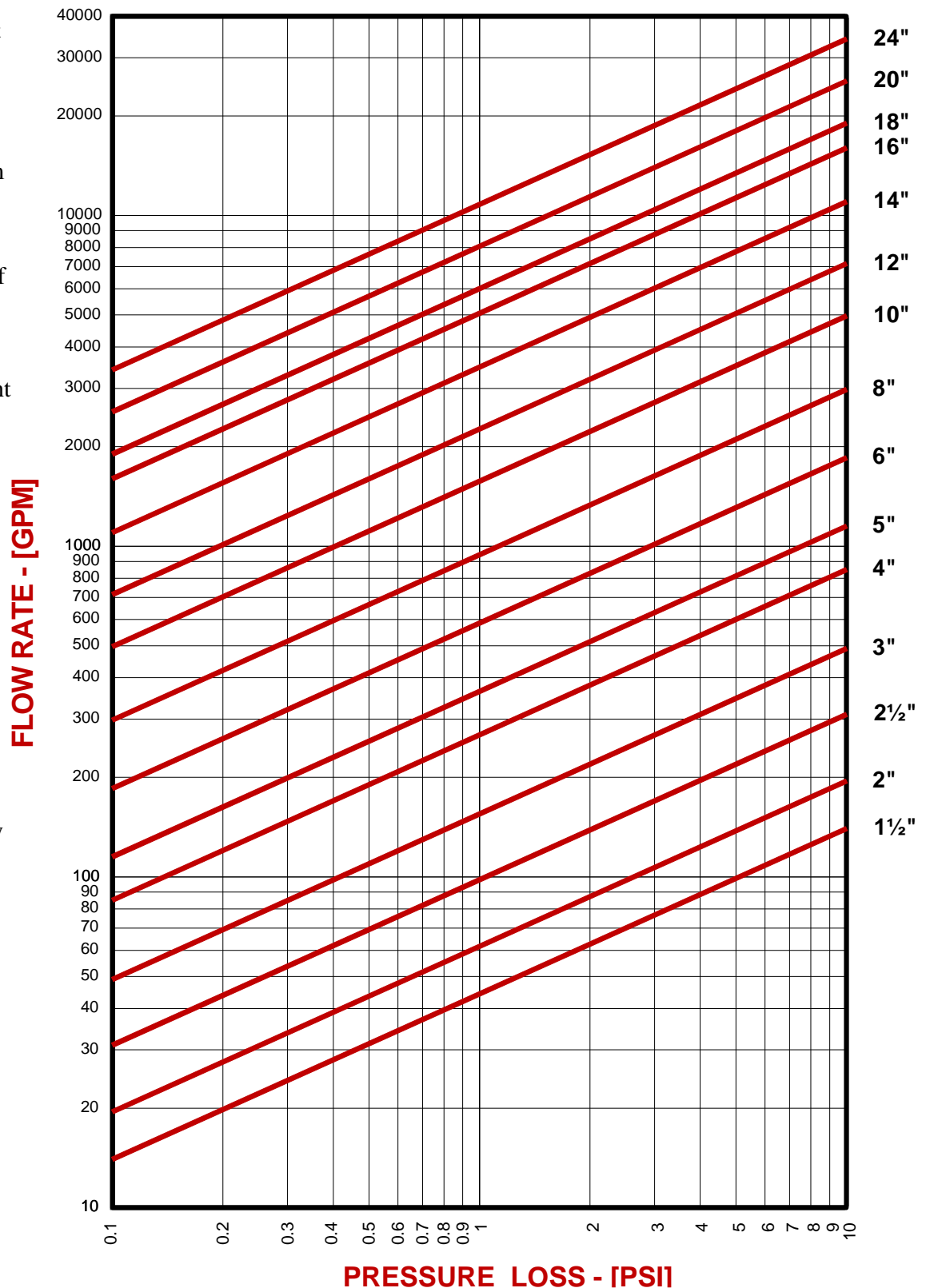
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

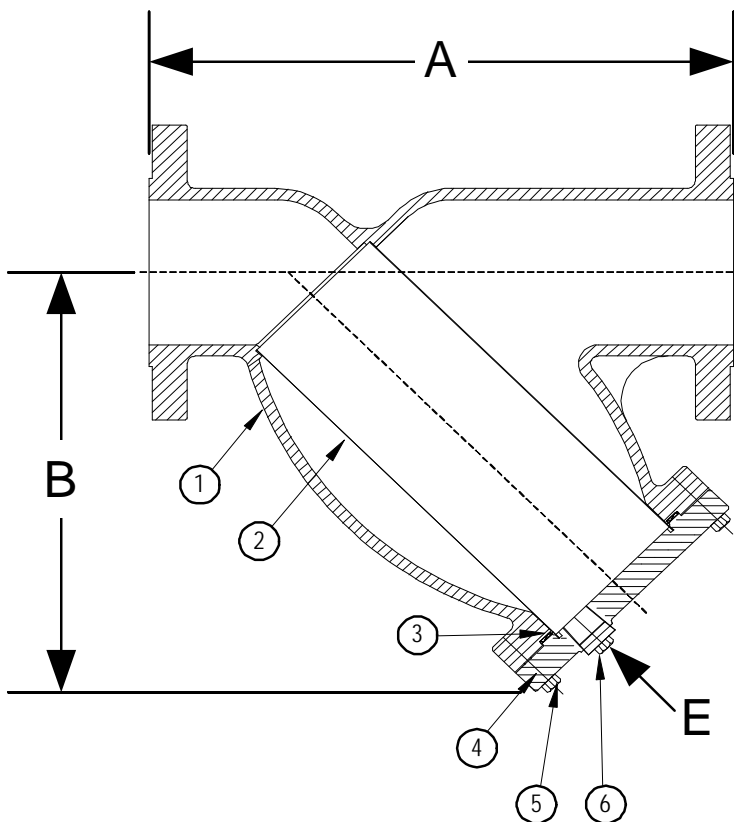
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380A2



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-A2045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-A2045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-A2045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-A2045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-A2045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-A2045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-A2045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-A2045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-A2045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-A2045P34-GB	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-A2045P34-GB	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-A2045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-A2062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90380A2

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SSA-A2

SCALE: NTS

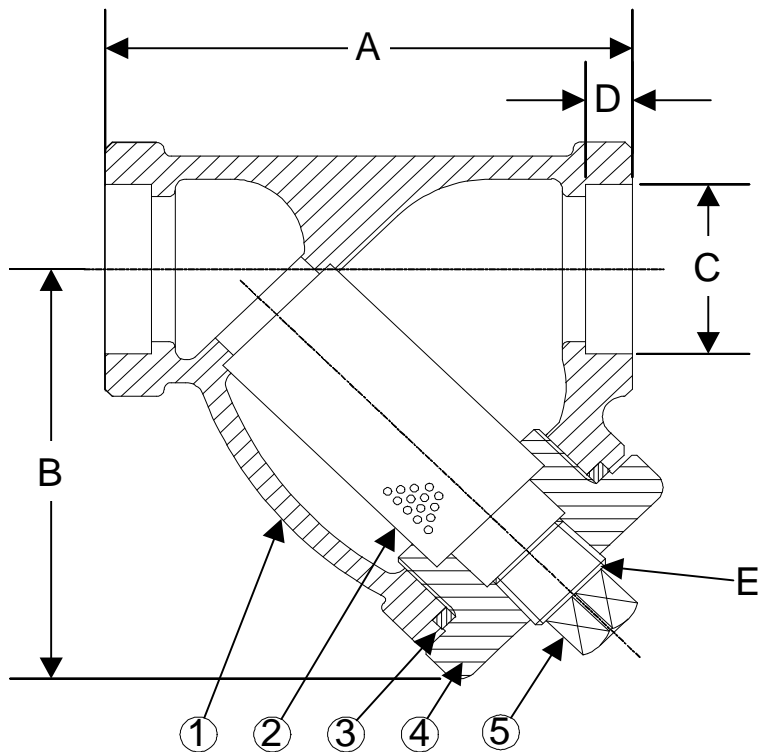
DATE: 07/01/2011

MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017A2



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-A2045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-A2045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-A2045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-A2045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-A2045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-A2045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-A2045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-A2045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-A2045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-A2045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017A2

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7A2

SCALE: NTS

DATE: 07/01/2011

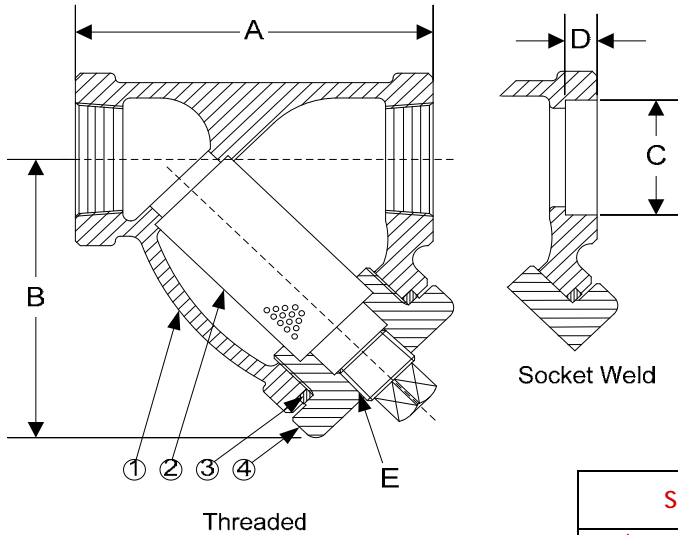
MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

Style SSB-7A2

**Y-Strainer, 600 lb. Threaded & Socket Weld
Cast Alloy 20 (ASTM A 351, Grade CN7M)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy C276, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here
For Your Free Quote](#)

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

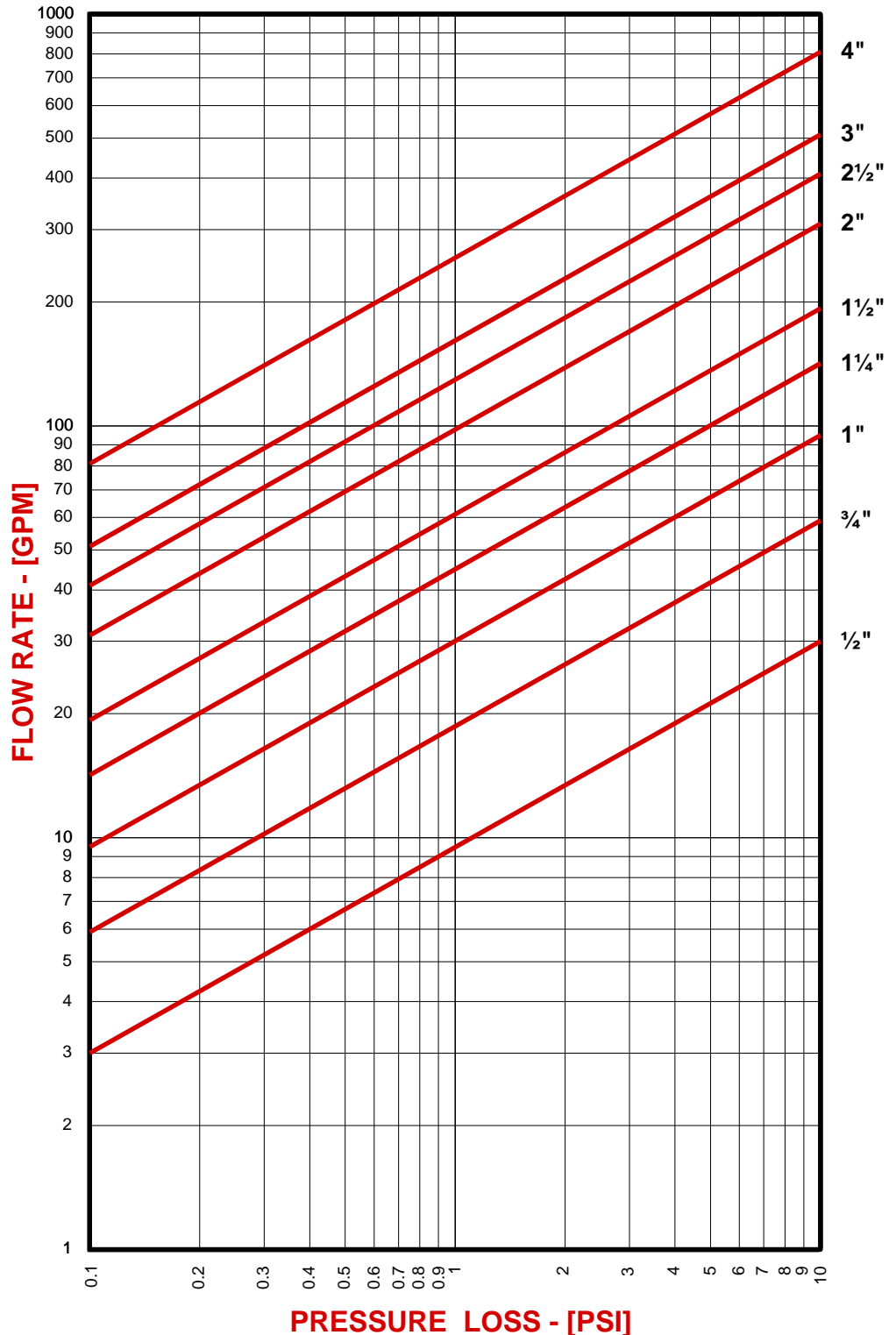
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

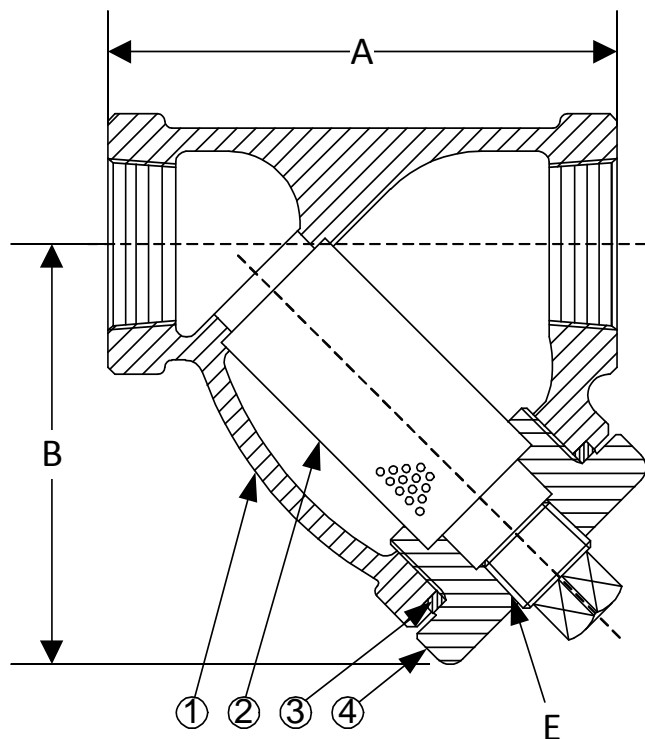
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015A2



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-A2045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-A2045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-A2045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-A2045P34-GT	3/4	3-11/16	3	3/8	5
15THY-A2045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-A2045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-A2045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-A2045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-A2045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-A2045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015A2

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7A2

SCALE: NTS

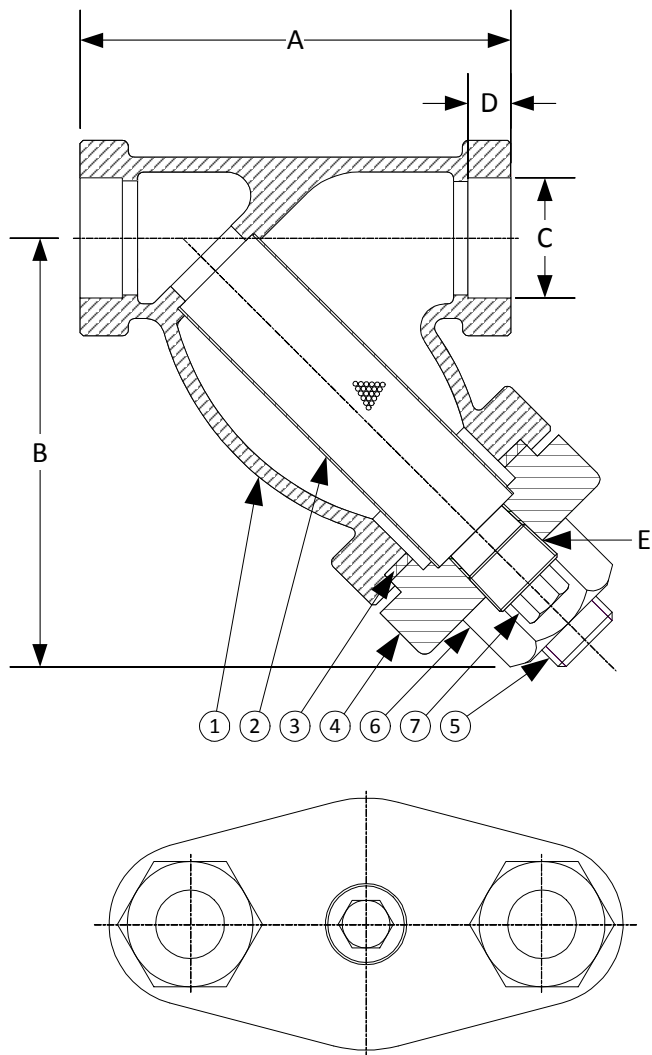
DATE: 07/01/2011

MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	ALLOY 20 (ASTM A 351, GRADE CN7M)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-A2045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-A2045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-A2045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-A2045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-A2045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-A2045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-A2045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-A2045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-A2045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-A2045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7BCA2

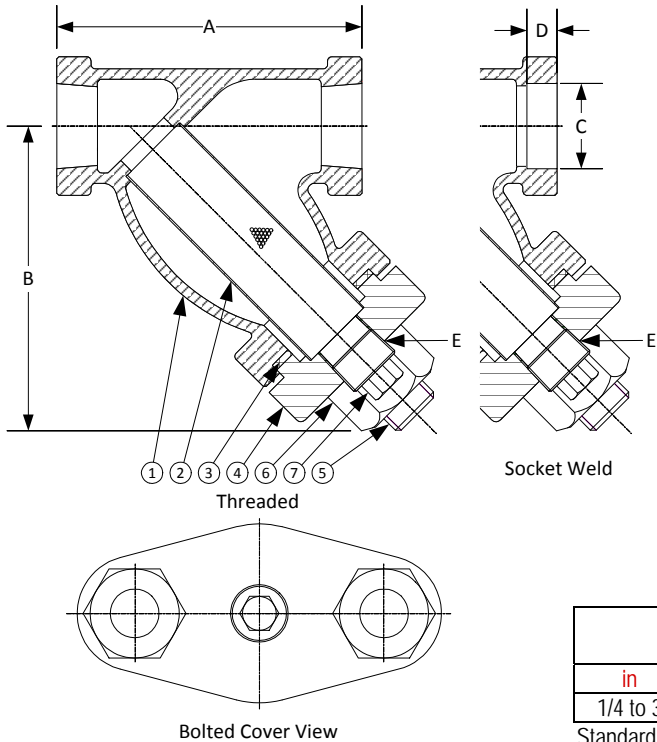
SCALE: NTS

DATE: 07/01/2011

MAT'L: Alloy 20

REQ. ---

DR. BY DSF



Style SSB-7BCA2

Y-Strainer, 600 lb. Threaded & Socket Weld Bolted Cover

Alloy 20 (ASTM A 351, Grade CN7M)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	ALLOY 20 (ASTM A 351, GRADE CN7M)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

*Optional Body Materials Available in Hastelloy C276, Monel, Titanium, and Duplex.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

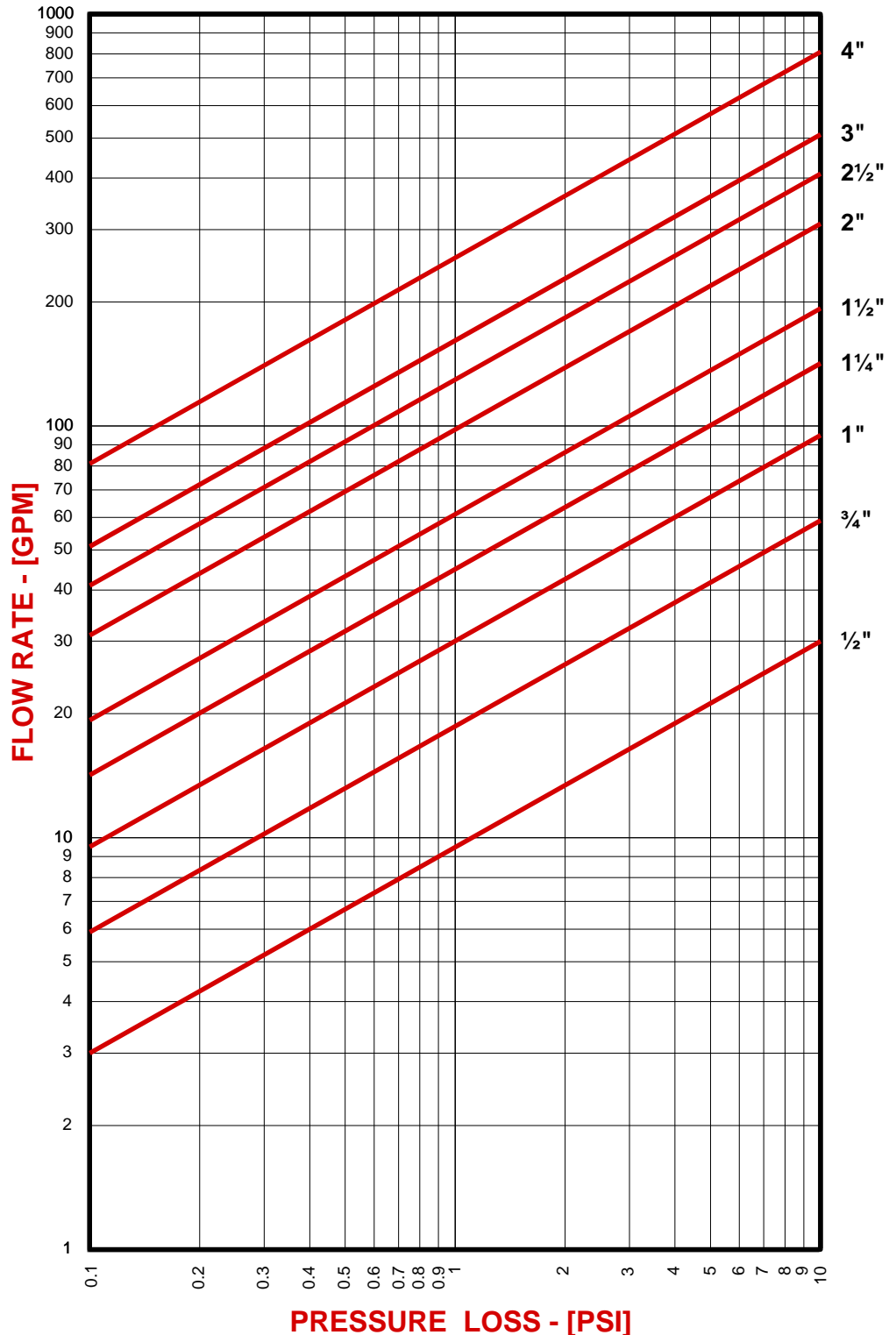
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

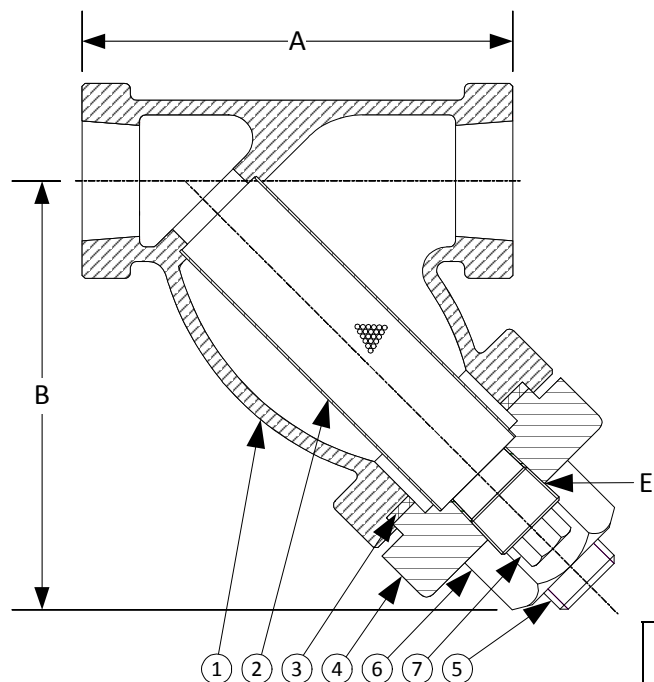
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	ALLOY 20 (ASTM A 351, GRADE CN7M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	ALLOY 20 (ASTM A 351, GRADE CN7M)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-A2045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-A2045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-A2045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-A2045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-A2045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-A2045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-A2045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-A2045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-A2045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-A2045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7BCA2

SCALE: NTS

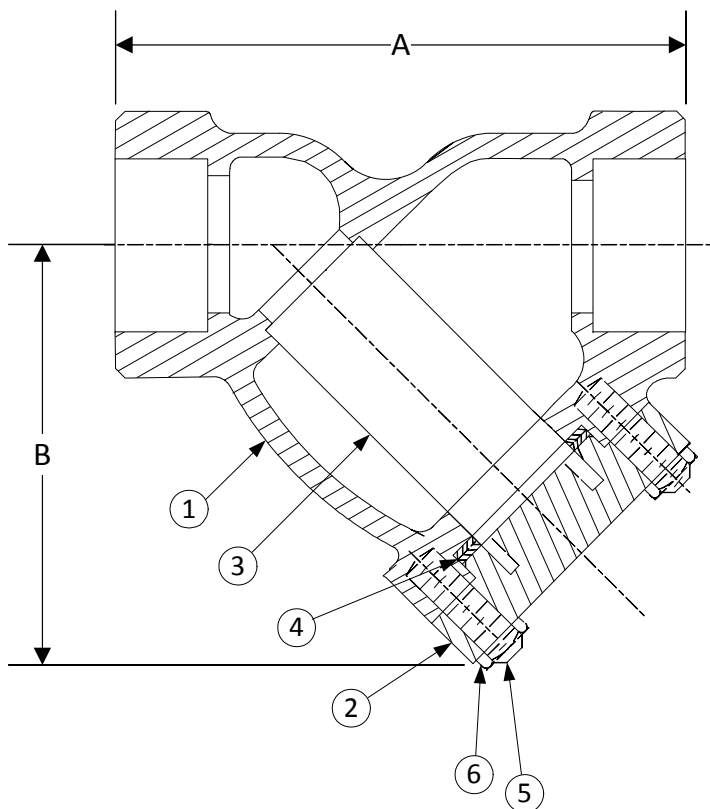
DATE: 07/01/2011

MAT'L: Alloy 20

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470A2



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-A2033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-A2033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-A2033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-A2033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-A2033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-A2033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-A2033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-A2033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470A2

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SSB-A2

SCALE: NTS

DATE: 11/30/2016

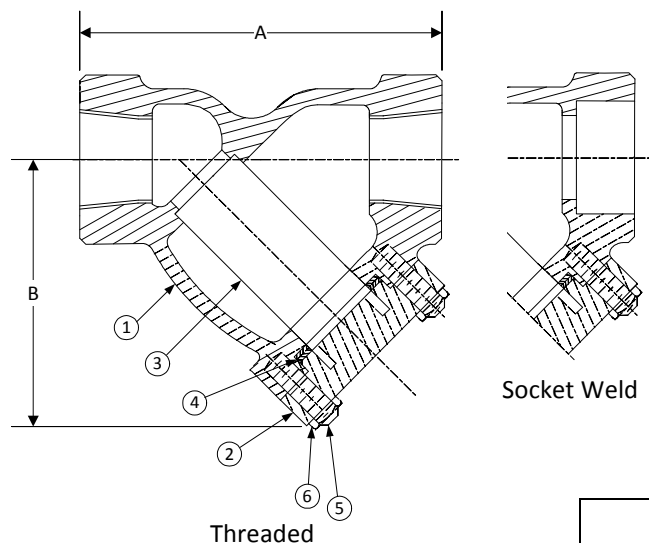
MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

Style SSB-A2

Y-Type, 1500 lb. Threaded & Socket Weld
Cast Alloy 20 (ASTM A 351, Grade CN7M)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy C276, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

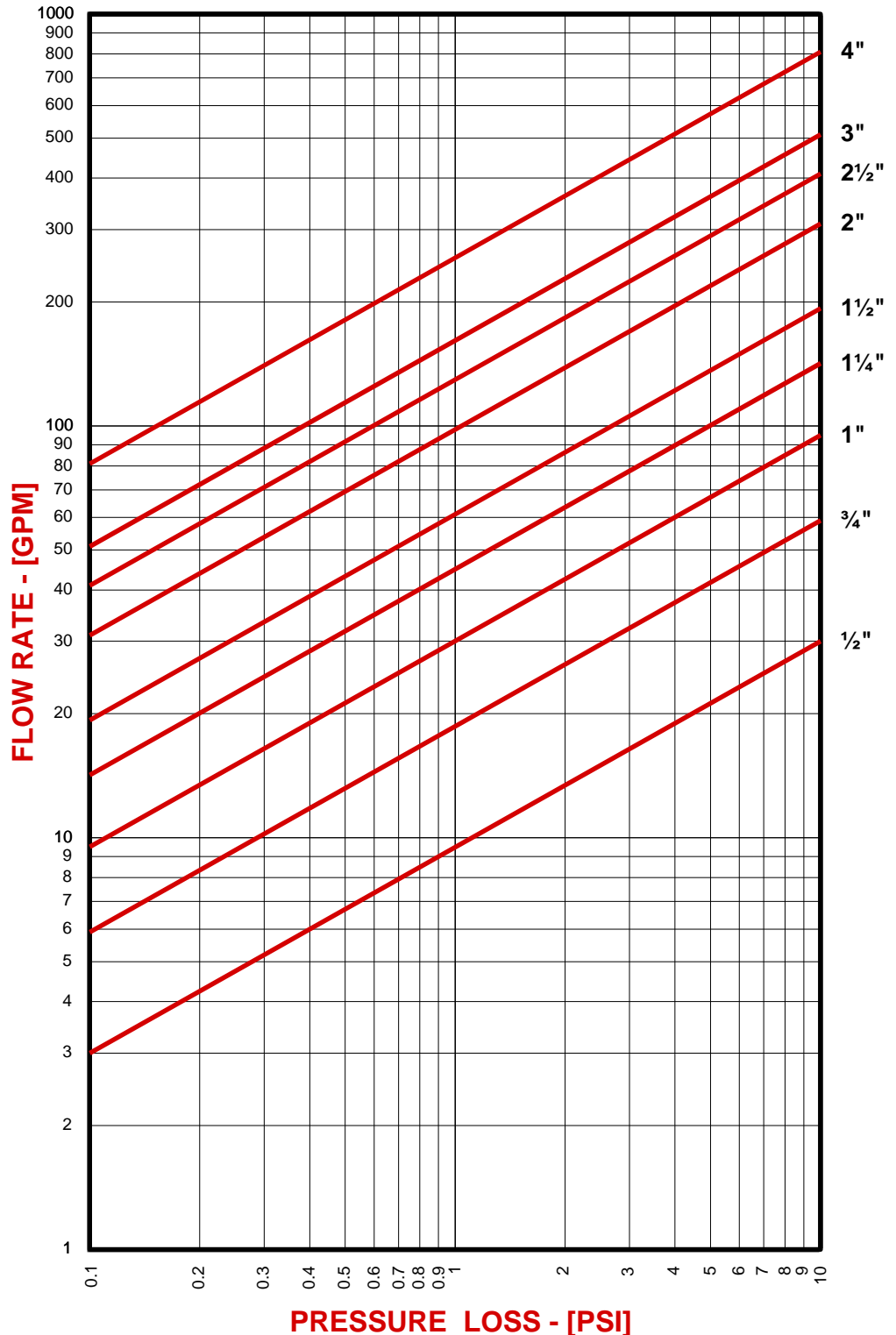
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

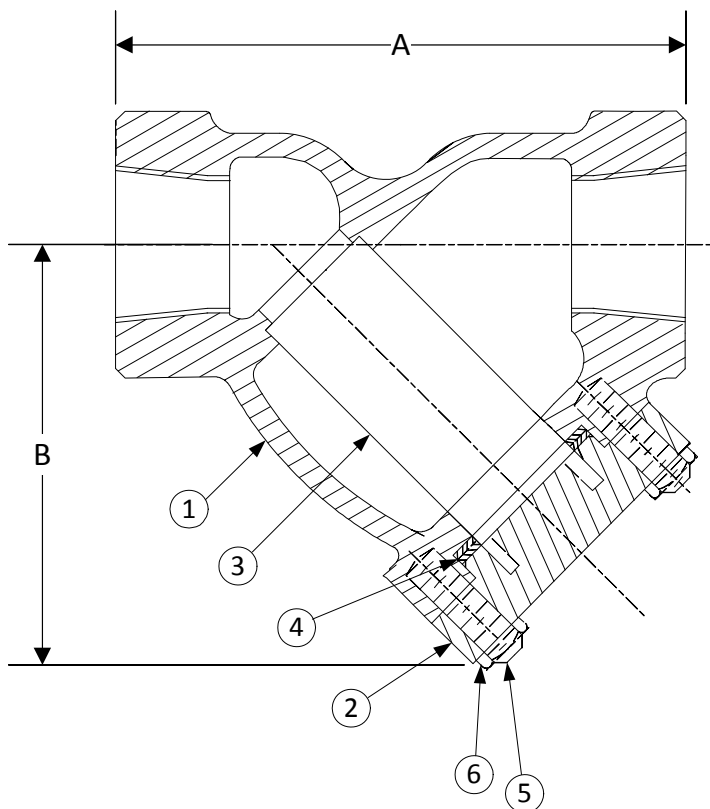
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450A2



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
2	COVER	CAST ALLOY 20 (ASTM A 351, GRADE CN7M)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-A2033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-A2033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-A2033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-A2033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-A2033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-A2033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-A2033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-A2033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90450A2

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SSB-A2

SCALE: NTS

DATE: 11/30/2016

MAT'L: Cast Alloy 20

REQ. ---

DR. BY DSF

Style BA-7

Cast Bronze Y-Strainer

Y-Strainer

Cast Bronze (ASTM B 62, C83600)

150 lb. & 300 lb. Flanged



APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style BA-7 strainers are constructed from rugged bronze castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.24. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style BA-7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is spiral wound 316 stainless steel and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style BA-7 strainers have cap screws and can be furnished with a brass blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

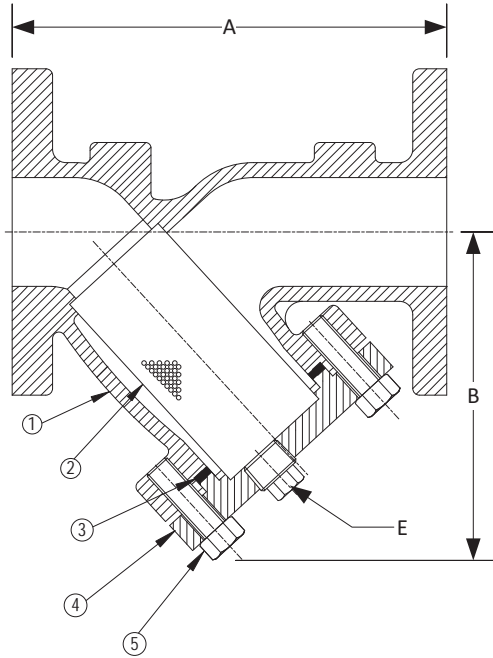
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 406°F	1035 KPa @ 208°C
	W.O.G.	225 PSI @ 150°F	1552 KPa @ 66°C
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
300# F.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 406°F	2069 KPa @ 208°C
	W.O.G.	500 PSI @ 150°F	3449 KPa @ 66°C

Style BA-7

Y-Strainer, 150 lb. & 300 lb. Flanged
Cast Bronze (ASTM B 62, C83600)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Cast Bronze (ASTM B 62, C83600)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (316)
4	Cover	Cast Bronze (ASTM B 62, C83600)
5	Cap Screw	Stainless Steel (ASTM A 193, Grade B8)

Optional: Blow-off Plug, Brass.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
			FOR STEAM		OPEN AREA	FOR LIQUID
in	mm		in	mm		in
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16
5 to 10	125 to 250	22	3/64	1.2	33%	1/8
12	300	22	1/16	1.6	30%	1/8

Standard screens supplied are for **liquid service**, unless otherwise specified.
 Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	5-7/8	149	6	152	3-1/4	83	3-1/4	83	3/8	10	7	3.18	12	5.4
3/4	20	7-3/8	187	7-13/16	198	3-3/4	95	3-3/4	95	1/2	15	11	4.99	18	8.1
1	25	7-3/8	187	7-13/16	198	4-5/16	110	3-5/8	92	1/2	15	11	4.99	18	8.1
1-1/4	32	6-5/8	168	8	203	4-5/16	110	4-1/2	114	1/2	15	12	5.44	26	11
1-1/2	40	6-11/16	170	8-1/8	206	4-5/16	110	4-3/4	121	1/2	15	14	6.00	26	11
2	50	7-7/8	200	9	229	5-1/4	133	6	152	1/2	15	18	8.16	28	12.7
2-1/2	65	9-3/4	248	10-5/8	270	6-1/2	165	7-3/8	187	1	20	37	16.34	48	21
3	80	10	254	12-1/2	318	7	178	9-1/16	230	1-1/4	32	40	18.06	75	34
4	100	12-1/8	308	15-1/8	384	8-1/4	210	10-7/8	276	1-1/2	40	67	30.20	110	50
5	125	15-1/2	394	18-5/8	479	11-1/4	286	13-9/16	344	2	50	99	44.52	164	74
6	150	18-1/2	470	19-1/8	486	13-1/2	343	15-7/8	403	2	50	134	60.48	212	96
8	200	24	610	25-3/16	640	16-1/2	413	16-1/2	413	2	50	229	103.45	359	163
10	250	27-5/8	702	29-1/8	740	19-3/8	492	19-3/8	492	2	50	397	180.03	493	224
12	300	32-1/2	826	34	864	22-5/8	575	22-5/8	575	2	50	532	240.89	938	425

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

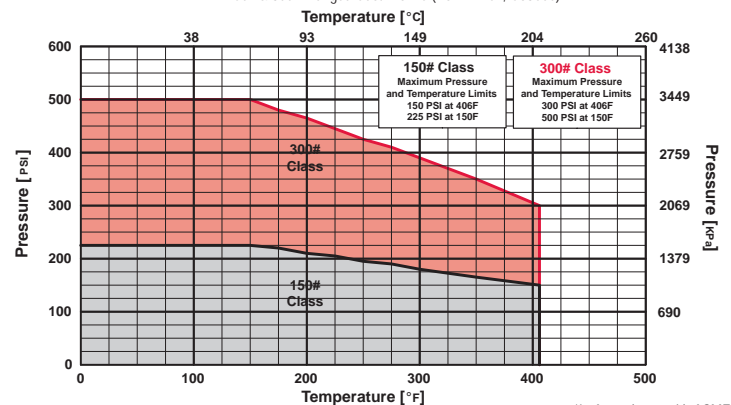
¹This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA					
Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	--	1-1/2"	18.66	4"	88.15
3/4"	--	2"	26.90	5"	159.01
1"	--	2-1/2"	46.88	6"	235.95
1-1/4"	--	3"	59.16	8"	360.05

²See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

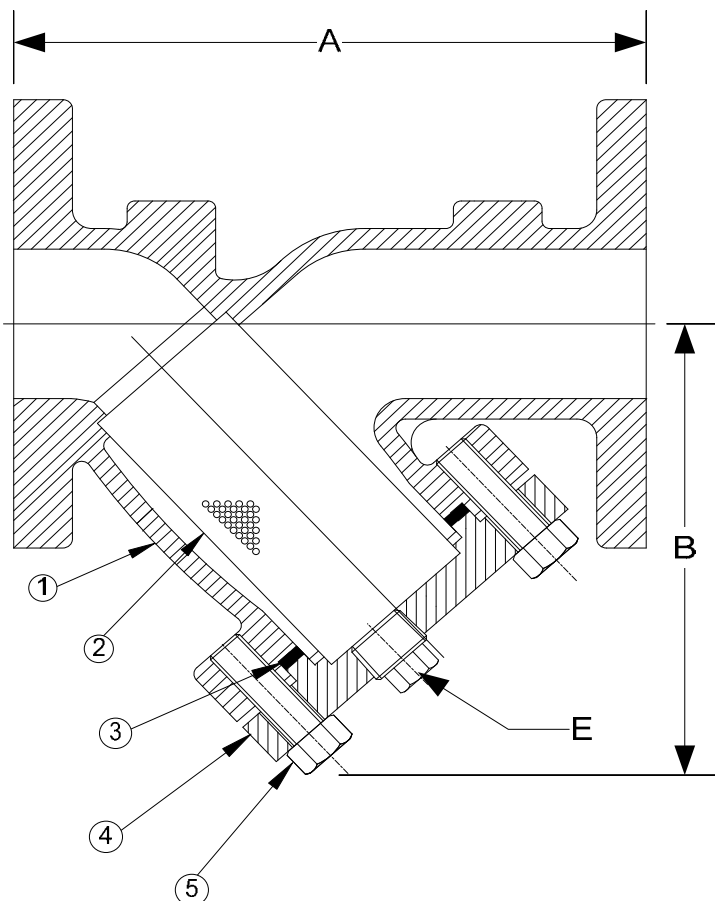
150# & 300# Flanged Cast Bronze (ASTM B 62, C83600)



³In Accordance with ASME B16.24

Click Here
For Your Free Quote

DRAWING NO.
AL 90000(B62)



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	½" to 12"
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 406°F
	W.O.G.	225 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST BRONZE (ASTM B 62, C83600)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) -GRAPHITE FILLED
4	COVER	CAST BRONZE (ASTM B 62, C83600)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Brass

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22FFY-B2062P34-GB	1/2	5-7/8	3-1/4	3/8	4	3/8-16 x 1	7
3/42FFY-B2062P34-GB	3/4	7-3/8	3-3/4	1/2	4	3/8-16 x 1	13
12FFY-B2062P34-GB	1	7-3/8	4-5/16	1/2	4	3/8-16 x 1-3/8	13
11/42FFY-B2062P34-GB	1-1/4	6-5/8	4-5/16	1/2	4	3/8-16 x 1-3/8	17
11/22FFY-B2062P34-GB	1-1/2	6-11/16	4-5/16	1/2	4	3/8-16 x 1-3/8	17
22FFY-B2062P34-GB	2	7-7/8	5-1/4	1/2	4	1/2-13 x 1-1/2	28
21/22FFY-B2062P34-GB	2-1/2	9-3/4	6-1/2	1	4	5/8-11 x 1-3/4	38
32FFY-B2062P34-GB	3	10	7	1-1/4	4	5/8-11 x 1-3/4	64
42FFY-B2062P34-GB	4	12-1/8	8-1/4	1-1/2	4	5/8-11 x 2-3/16	84
52FFY-B2125P34-GB	5	15-1/2	11-1/4	2	8	5/8-11 x 2-3/16	139
62FFY-B2125P34-GB	6	18-1/2	13-1/2	2	8	3/4-10 x 2-3/8	160
82FFY-B2125P34-GB	8	24	16-1/2	2	12	3/4-10 x 2-1/2	296
102FFY-B2125P34-GB	10	27-5/8	19-3/8	2	12	3/4-10 x 2-5/8	408
122FFY-B2125P34-GB	12	32-1/2	22-5/8	2	16	3/4-10 x 2-7/8	798

[†]See "Style BA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90000(B62)

DIMENSIONAL ASSEMBLY

PART NO.

½" to 12" 150# Flg Style BA-7

SCALE: NTS

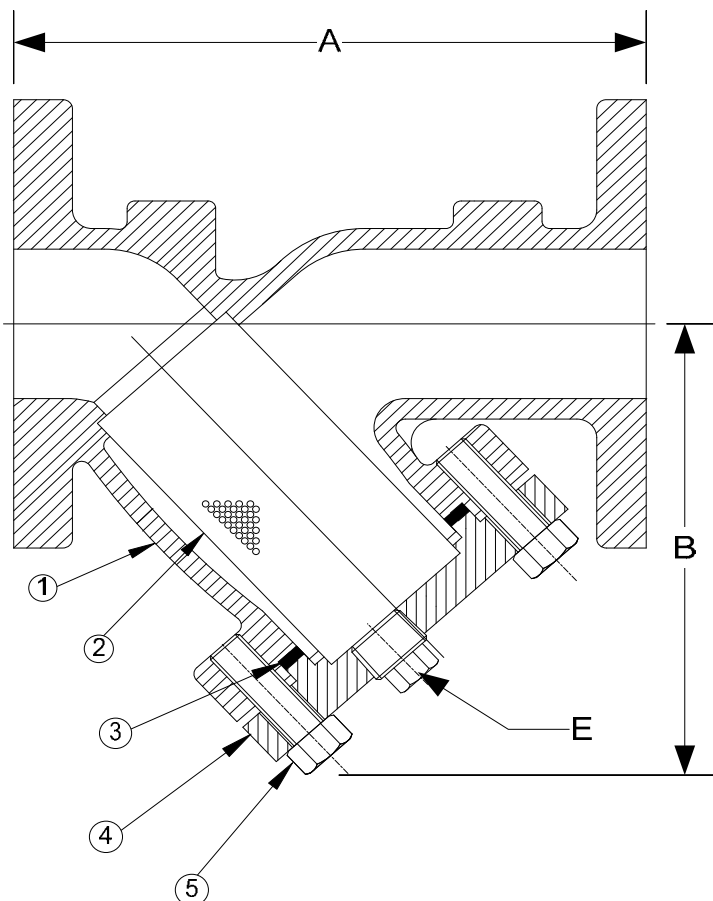
DATE: 03/12/2015

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90040(B62)



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	½" to 12"
300# F.F. & D.	STEAM	300 PSI @ 406°F
(EX. HEAVY FLANGE)	W.O.G.	500 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST BRONZE (ASTM B 62, C83600)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) -GRAPHITE FILLED
4	COVER	CAST BRONZE (ASTM B 62, C83600)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Brass

Product Number†	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/24FFY-B2062P34-GB	1/2	6	3-1/4	3/8	12
3/44FFY-B2062P34-GB	3/4	7-13/16	3-3/4	1/2	18
14FFY-B2062P34-GB	1	7-13/16	3-5/8	1/2	18
11/44FFY-B2062P34-GB	1-1/4	8	4-1/2	1/2	26
11/24FFY-B2062P34-GB	1-1/2	8-1/8	4-3/4	1/2	26
24FFY-B2062P34-GB	2	9	6	1/2	28
21/24FFY-B2062P34-GB	2-1/2	10-5/8	7-3/8	1	48
34FFY-B2062P34-GB	3	12-1/2	9-1/16	1-1/4	75
44FFY-B2062P34-GB	4	15-1/8	10-7/8	1-1/2	110
54FFY-B2125P34-GB	5	18-5/8	13-9/16	2	164
64FFY-B2125P34-GB	6	19-1/8	15-7/8	2	212
84FFY-B2125P34-GB	8	25-3/16	16-1/2	2	359
104FFY-B2125P34-GB	10	29-1/8	19-3/8	2	493
124FFY-B2125P34-GB	12	34	22-5/8	2	938

†See "Style BA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%

Standard screens supplied are for liquid service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90040(B62)

DIMENSIONAL ASSEMBLY

PART NO.

½" to 12" 300# Flg Style BA-7

SCALE: NTS

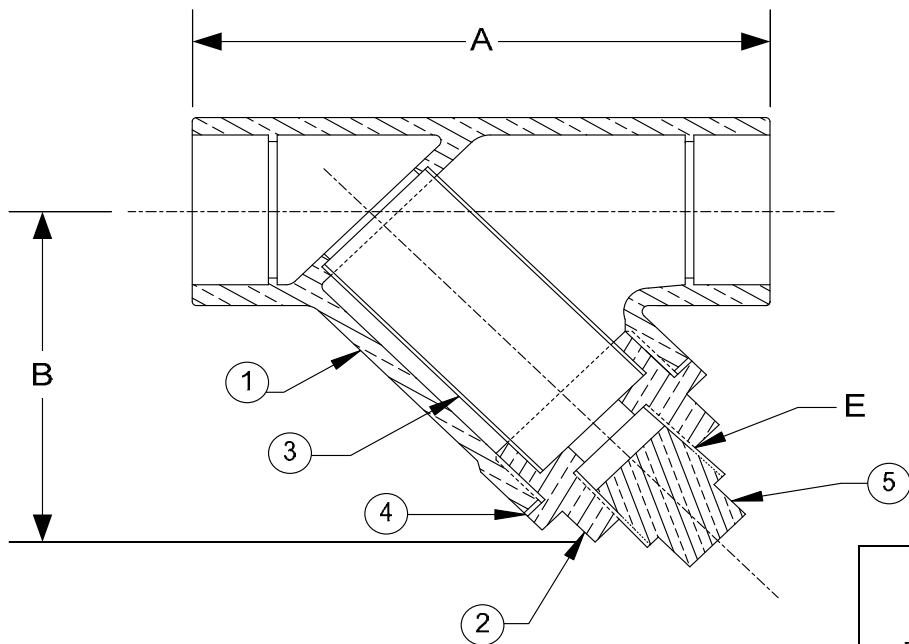
DATE: 07/01/2011

MAT'L: Cast Bronze

REQ. ---

DR. BY DSF

DRAWING NO.
AL 73153



PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
125# (SOLDER JOINT)	STEAM	125 PSI @ 400°F
	W.O.G.	200 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 584, C84400)
2	CAP	BRONZE (ASTM B 584, C84400)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	COMPOSITION
5	PLUG	BORNZE (ASTM B 584, C84400)

Product Numbers [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/41SJY-BCM20M34-FTI	1/4	3-3/8	2-1/4	3/8	0.75
3/81SJY-BCM20M34-FTI	3/8	3-3/8	2-1/4	3/8	0.75
1/21SJY-BCM20M34-FTI	1/2	3-3/8	2-1/4	3/8	0.75
3/41SJY-BCM20M34-FTI	3/4	4-1/4	2-5/8	3/8	1.00
11SJY-BCM20M34-FTI	1	5	3-3/16	1/2	2.25
11/41SJY-BCM20M34-FTI	1-1/4	5-7/8	3-3/4	1/2	2.75
11/21SJY-BCM20M34-FTI	1-1/2	6-7/8	4-1/8	1/2	3.25
21SJY-BCM20M34-FTI	2	8-5/8	5-1/8	1/2	5.75
21/21SJY-BC045P34-FTI	2-1/2	10-3/8	5-3/4	1/2	8.50
31SJY-BC045P34-FTI	3	11-3/4	6-1/2	1/2	12.50

[†]See "Style E-150 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 2		20 MESH STAINLESS STEEL			49%
2-1/2 & 3	28	3/64	33%	3/64	33%

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 73153

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 125# Solder Joint Style E-150

SCALE: NTS

For Copper Tubing (Import)

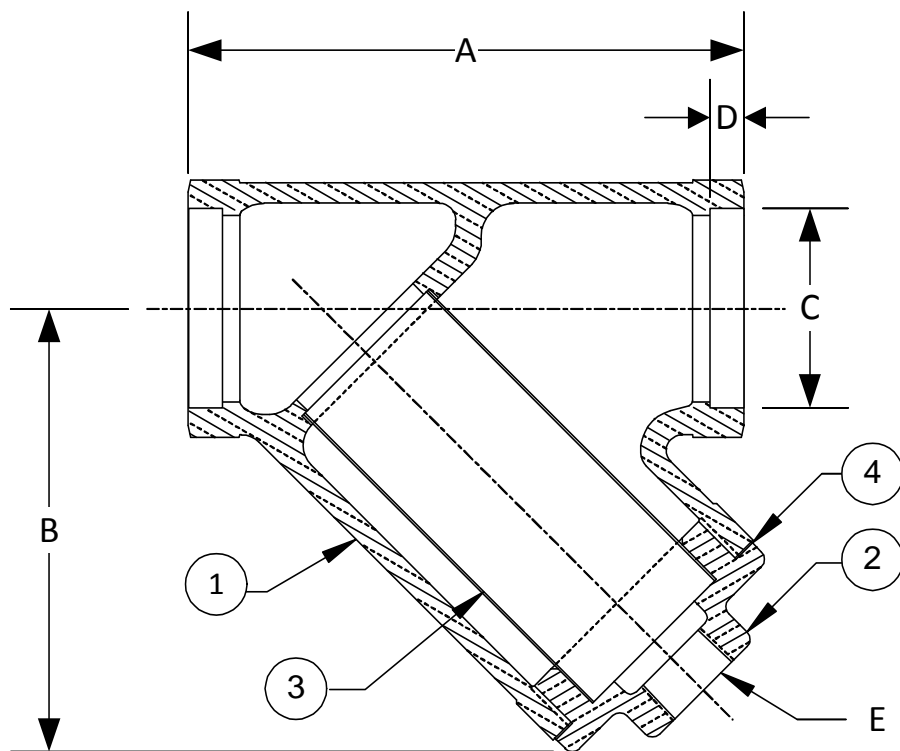
DATE: 07/01/2011

MAT'L: Cast Bronze

REQ. ---

DR. BY DSF

DRAWING NO.
AL 73156



PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
250# (SOLDER JOINT)	STEAM	235 PSI @ 400°F
	W.O.G.	400 PSI @ 150°F 250 PSI @ 400°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 62, C83600)
2	CAP	BRONZE (ASTM B 62, C83600)
3	SCREEN	BRASS
4	GASKET	COPPER

Optional: Blow-off Plug, Brass

Product Numbers†	SIZE	DIMENSIONS (in)					WEIGHT (lbs)
		A	B	C	D	E	
1/43SJY-B2045P34-CT	1/4	2-9/16	2	0.378	5/16	1/8	0.75
3/83SJY-B2045P34-CT	3/8	2-9/16	2	0.503	5/16	1/8	0.75
1/23SJY-B2045P34-CT	1/2	2-9/16	2	0.628	5/16	1/8	0.75
3/43SJY-B2045P34-CT	3/4	2-15/16	2-1/8	0.878	3/8	1/8	1.00
13SJY-B2045P34-CT	1	3-3/8	2-11/16	1.128	13/32	1/4	1.50
11/43SJY-B2045P34-CT	1-1/4	4-1/8	3	1.378	7/16	1/4	2.50
11/23SJY-B2045P34-CT	1-1/2	4-13/16	3-3/4	1.628	1/2	3/8	2.75
23SJY-B2045P34-CT	2	5-3/8	4-3/8	2.130	5/8	1/2	3.00
21/23SJY-B2045P34-CT	2-1/2	6-5/8	5-1/2	2.630	21/32	3/4	4.75
33SJY-B2045P34-CT	3	8-1/4	6-3/4	3.130	3/4	1-1/4	9.00

†See "Style E-300 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	24	1/32	29%	3/64	33%

Standard screens supplied are for liquid service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 73156

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 250# Solder Joint Style E-300

SCALE: NTS

For Copper Tubing

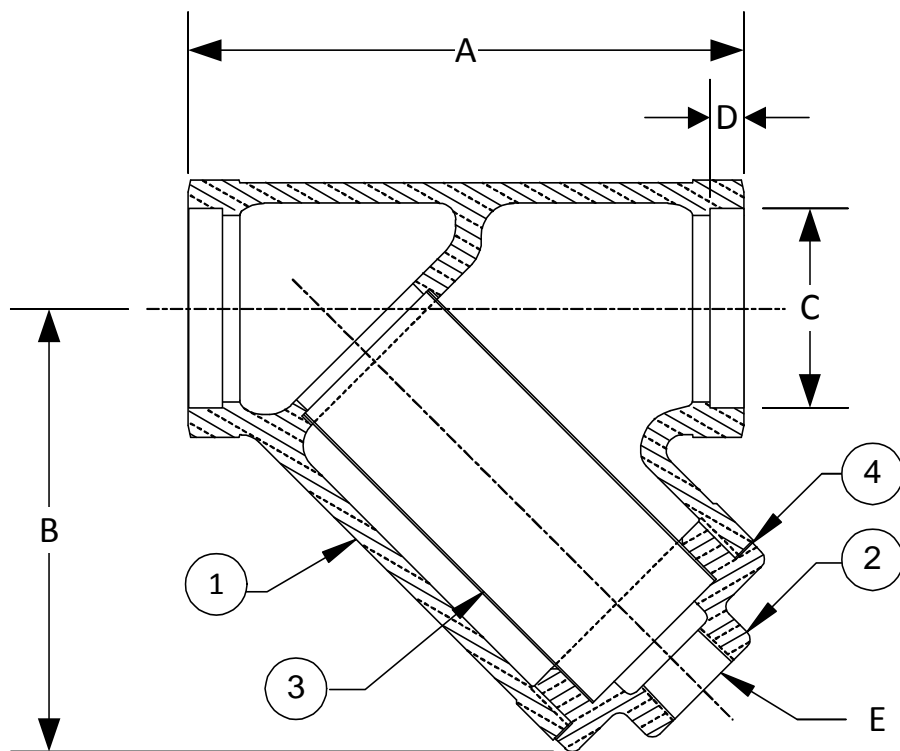
DATE: 07/01/2011

MAT'L: Cast Bronze

REQ. ---

DR. BY DSF

DRAWING NO.
AL 73157



PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
250# (SOLDER JOINT)	STEAM	235 PSI @ 400°F
	W.O.G.	400 PSI @ 150°F 250 PSI @ 400°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 62, C83600)
2	CAP	BRONZE (ASTM B 62, C83600)
3	SCREEN	BRASS
4	GASKET	COPPER

Optional: Blow-off Plug, Brass

Product Numbers [†]	SIZE	DIMENSIONS (in)					WEIGHT (lbs)
		A	B	C	D	E	
1/43SJY-B2045P34-CT	1/4	2-9/16	2	0.503	5/16	1/8	0.75
3/83SJY-B2045P34-CT	3/8	2-9/16	2	0.628	5/16	1/8	0.75
1/23SJY-B2045P34-CT	1/2	2-15/16	2-1/8	0.878	3/8	1/8	1.00
3/43SJY-B2045P34-CT	3/4	3-3/8	2-11/16	1.128	13/32	1/4	1.50
13SJY-B2045P34-CT	1	4-1/8	3	1.378	7/16	1/4	2.50
11/43SJY-B2045P34-CT	1-1/4	4-13/16	3-3/4	1.628	1/2	3/8	4.25
11/23SJY-B2045P34-CT	1-1/2	5-3/8	4-3/8	2.130	5/8	1/2	6.25
23SJY-B2045P34-CT	2	6-5/8	5-1/2	2.630	21/32	3/4	11.00
21/23SJY-B2045P34-CT	2-1/2	8-1/4	6-3/4	3.130	3/4	1-1/4	17.75
33SJY-B2045P34-CT	3	9-5/8	7-1/8	3.505	1	1-1/2	25.75

[†]See "Style E-300 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	24	1/32	29%	3/64	33%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 73157

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 250# Solder Joint Style E-300

SCALE: NTS

For Copper Pipe

DATE: 07/01/2011

MAT'L: Cast Bronze

REQ. ---

DR. BY DSF

Style F-150

Y-Strainer

Cast Bronze (ASTM B 584, C84400)

125 lb. Threaded



Style E-150

Y-Strainer

Cast Bronze (ASTM B 584, C84400)

125 lb. Solder Joint



Cast Bronze Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style F-150 & E-150 strainers are constructed from the finest bronze castings and are machined to exacting specifications.

Solder Joint Ends are in compliance with ASME B16.18 unless otherwise specified.

FEATURES

The Keckley Style F-150 & E-150 strainers feature a machined seat in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. These strainers have a straight threaded cap and are furnished standard with a NPT blow-off connection. The gasket is a flat fiber gasket that is compressed between the body and cap for maximum strength and durability. Keckley Style F-150 & E-150 strainers are furnished with a bronze blow-off plug unless otherwise specified.

SCREENS

Standard screens are 20 mesh 304 stainless steel through size 2". Sizes 2-1/2", 3" and 4" are furnished with 3/64" perforated 304 stainless steel screens. All screens are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements.

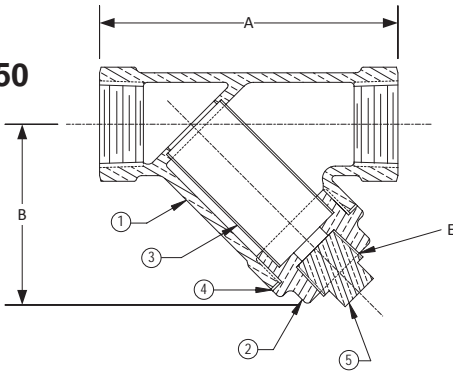
SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

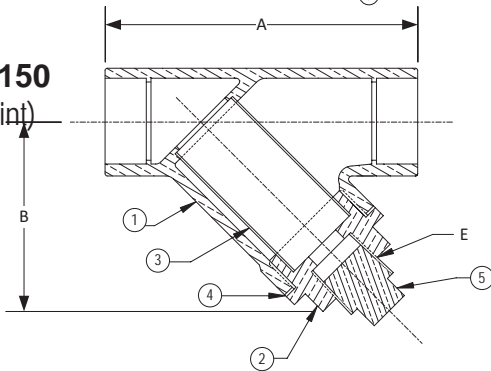
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
125# (THREADED & SOLDER JOINT)	STEAM	125 PSI @ 400°F	862 KPa @ 204°C
	W.O.G.	200 PSI @ 150°F	1379 KPa @ 66°C

Style F-150 (Threaded)



Style E-150 (Solder Joint)



Style F-150 & E-150

Y-Strainer, 125 lb. Threaded & Solder Joint
Cast Bronze (ASTM B 584, C84400)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Bronze (ASTM A B584, C84400)
2	Cap	Bronze (ASTM A B584, C84400)
3	Screen	Stainless Steel (304)
4	Gasket	Composition
5	Plug	Bronze (ASTM A B584, C84400)

STANDARD SCREENS SUPPLIED

SIZE		SCREEN PERFORATION			
		FOR STEAM		FOR LIQ-UID	
in	mm	in	mm	OPEN AREA	OPEN AREA
1/4 to 2	8 to 50	20 MESH STAINLESS STEEL			49%

Options: Other meshes, perforations, and screen materials are available.

SIZE		DIMENSIONS												WEIGHTS			
		A				B				E							
		F-150		E-150		F-150		E-150		F-150		E-150		F-150		E-150	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/4	8	3-3/16	81	3-3/8	86	2-1/4	57	2-1/4	57	3/8	10	3/8	10	0.80	0.4	0.75	0.3
3/8	10	3-3/16	81	3-3/8	86	2-1/4	57	2-1/4	57	3/8	10	3/8	10	0.80	0.4	0.75	0.3
1/2	15	3-3/16	81	3-3/8	86	2-1/4	57	2-1/4	57	3/8	10	3/8	10	0.80	0.4	0.75	0.3
3/4	20	3-15/16	100	4-1/4	108	2-5/8	67	2-5/8	67	3/8	10	3/8	10	1.20	0.5	1.00	0.5
1	25	4-1/2	114	5	127	3	76	3-3/16	81	1/2	15	1/2	15	1.80	0.8	2.25	1.0
1-1/4	32	5-5/16	135	5-7/8	149	3-9/16	90	3-3/4	95	1/2	15	1/2	15	2.70	1.2	2.75	1.2
1-1/2	40	6-3/16	157	6-7/8	175	4	102	4-1/8	105	1/2	15	1/2	15	3.60	1.6	3.25	1.5
2	50	7-1/2	191	8-5/8	219	4-5/8	117	5-1/8	130	1/2	15	1/2	15	5.60	2.5	5.75	2.6
2-1/2	65	9	229	10-3/8	264	5-1/2	140	5-3/4	146	1/2	15	1/2	15	10.00	4.5	8.50	3.9
3	80	10-1/8	257	11-3/4	298	6-1/8	156	6-1/2	165	1/2	15	1/2	15	13.50	6.1	12.50	5.7

Certified dimensional drawings are available upon request.

[†]This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

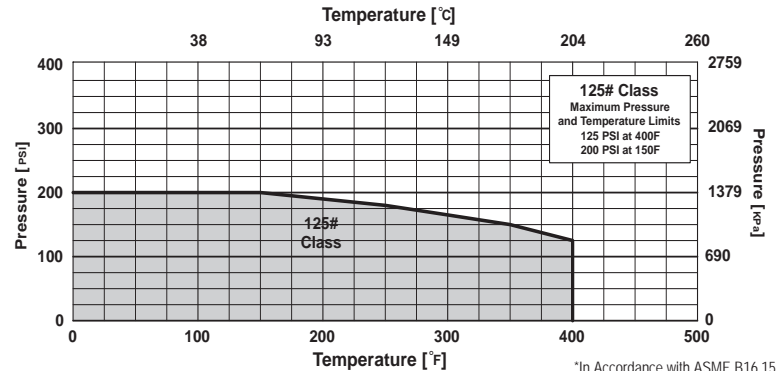
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	3.09	1"	9.54	2-1/2"	46.98
3/8"	3.09	1-1/4"	14.26	3"	62.87
1/2"	3.09	1-1/2"	19.94		
3/4"	7.36	2"	33.39		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

125# Threaded & Solder Joint Bronze (ASTM B 584, C84400)



[Click Here](#)
For Your Free Quote

Style F-300

Y-Strainer

Cast Bronze (ASTM B 62, C83600)

250 lb. Threaded



Style E-300

Y-Strainer

Cast Bronze (ASTM B 62, C83600)

250 lb. Solder Joint



Cast Bronze Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style F-300 & E-300 strainers are constructed from the finest bronze castings and are machined to exacting specifications.

Solder Joint Ends are in compliance with ASME B16.18 unless otherwise specified.

FEATURES

The Keckley Style F-300 & E-300 strainers feature a machined seat in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. These strainers have a straight threaded cap and are furnished standard with a NPT blow-off connection. The gasket is a flat copper gasket that is compressed between the body and cap for a maximum strength and durability. Keckley Style F-300 & E-300 strainers can be furnished with a bronze blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

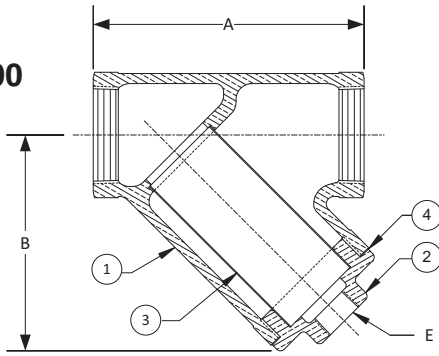
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
250# (THREADED & SOLDER JOINT)	STEAM	235 PSI @ 400°F	1621 KPa @ 204°C
	W.O.G.	400 PSI @ 150°F 250 PSI @ 400°F	2759 KPa @ 66°C 1724 KPa @ 204°C

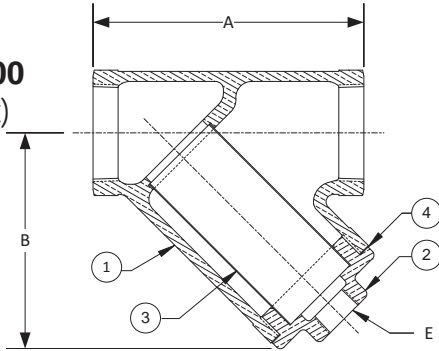
GOVERNMENT/MILITARY SPECIFICATIONS

Specification: NAVSHIPS 810-841499.
Consult Factory for additional requirements.

Style F-300 (Threaded)



Style E-300 (Solder Joint)



Style F-300 & E-300

Y-Strainer, 250 lb. Threaded & Solder Joint
Cast Bronze (ASTM B 62, C83600)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Bronze (ASTM B 62, C83600)
2	Cap	Bronze (ASTM B 62, C83600)
3	Screen	Stainless Steel (304)
4	Gasket	Copper

Optional: Blow-off Plug, Brass.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN PERFORATION			
		FOR STEAM		OPEN AREA	FOR LIQ-UID
in	mm	in	mm	AREA	AREA

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS												WEIGHTS			
		A				B				E							
		F-300		E-300		F-300		E-300		F-300		E-300		F-300		E-300	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/4	8	2-9/16	65	2-9/16	65	2	51	2	51	1/8	6	1/8	6	0.75	0.3	0.75	0.3
3/8	10	2-9/16	65	2-9/16	65	2	51	2	51	1/8	6	1/8	6	0.75	0.3	0.75	0.3
1/2	15	2-15/16	75	2-9/16	65	2-1/8	54	2	51	1/8	6	1/8	6	1.00	0.5	0.75	0.3
3/4	20	3-3/8	86	2-15/16	75	2-11/16	68	2-1/8	54	1/4	8	1/8	6	1.50	0.7	1.00	0.5
1	25	4-1/8	105	3-3/8	86	3	76	2-11/16	68	1/4	8	1/4	8	2.50	1.1	1.50	0.7
1-1/4	32	4-13/16	122	4-1/8	105	3-3/4	95	3	76	3/8	10	1/4	8	4.25	1.9	2.50	1.1
1-1/2	40	5-3/8	137	4-13/16	122	4-3/8	111	3-3/4	95	1/2	15	3/8	10	6.25	2.8	4.25	1.9
2	50	6-5/8	168	5-3/8	137	5-1/2	140	4-3/8	111	3/4	20	1/2	15	11.00	5.0	6.25	2.8
2-1/2	65	8-1/4	210	6-5/8	168	6-3/4	171	5-1/2	140	1-1/4	32	3/4	20	17.75	8.1	11.00	5.0
3	80	9-5/8	244	8-1/4	210	7-1/8	181	6-3/4	171	1-1/2	40	1-1/4	32	25.75	11.7	17.75	8.1

Certified dimensional drawings are available upon request.

[†]This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61	(The flow coefficients listed are for Style F-300)	
3/4"	18.7	2"	98		

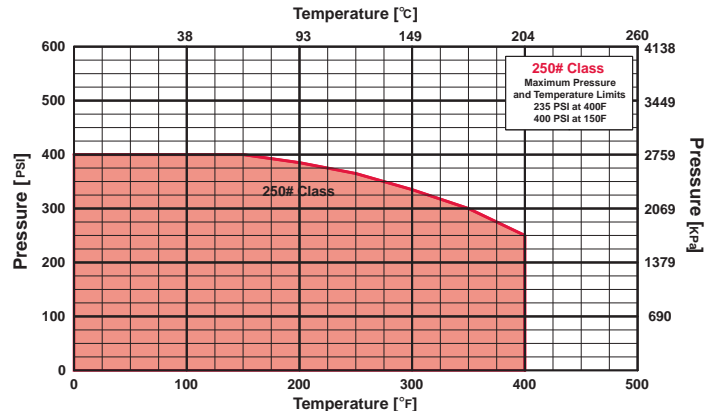
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.36	1"	9.54	2-1/2"	45.09
3/8"	2.36	1-1/4"	14.11	3"	56.56
1/2"	3.44	1-1/2"	19.88	(Total screen area listed are for Style F-300)	
3/4"	5.67	2"	32.97		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

250# Threaded & Solder Joint Cast Bronze (ASTM B 62, C83600)



*In Accordance with ASME B16.15

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

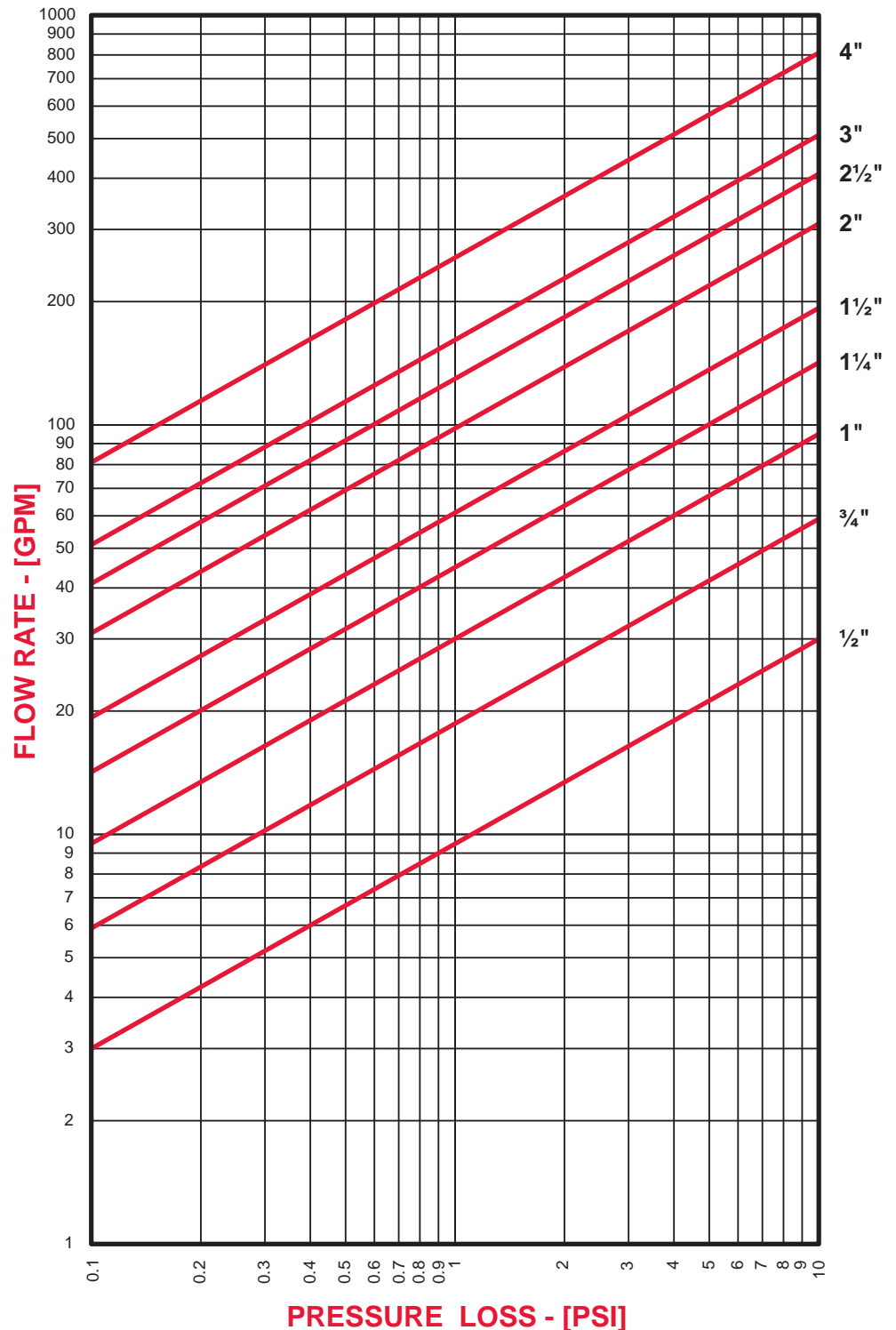
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

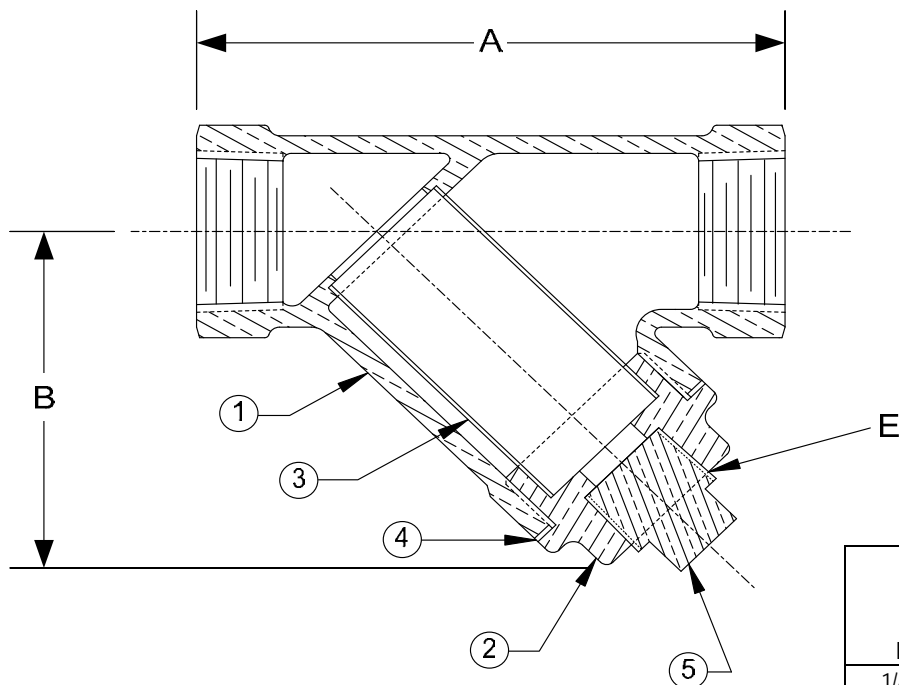
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 73154



PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"
125# (THREADED)	STEAM	125 PSI @ 400°F
	W.O.G.	200 PSI @ 150°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 584, C84400)
2	CAP	BRONZE (ASTM B 584, C84400)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	COMPOSITION
5	PLUG	BORNZE (ASTM B 584, C84400)

Product Numbers [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/41THY-BCM20M34-FTI	1/4	3-3/16	2-1/4	3/8	0.80
3/81THY-BCM20M34-FTI	3/8	3-3/16	2-1/4	3/8	0.80
1/21THY-BCM20M34-FTI	1/2	3-3/16	2-1/4	3/8	0.80
3/41THY-BCM20M34-FTI	3/4	3-15/16	2-5/8	3/8	1.20
11THY-BCM20M34-FTI	1	4-1/2	3	1/2	1.80
11/41THY-BCM20M34-FTI	1-1/4	5-5/16	3-9/16	1/2	2.70
11/21THY-BCM20M34-FTI	1-1/2	6-3/16	4	1/2	3.60
21THY-BCM20M34-FTI	2	7-1/2	4-5/8	1/2	5.60
21/21THY-BC045P34-FTI	2-1/2	9	5-1/2	1/2	10.00
31THY-BC045P34-FTI	3	10-1/8	6-1/8	1/2	13.50

[†]See "Style F-150 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 2		20 MESH STAINLESS STEEL			49%
2-1/2 & 3	28	3/64	33%	3/64	33%

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 73154

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 125# Threaded Style F-150

SCALE: NTS

(Import)

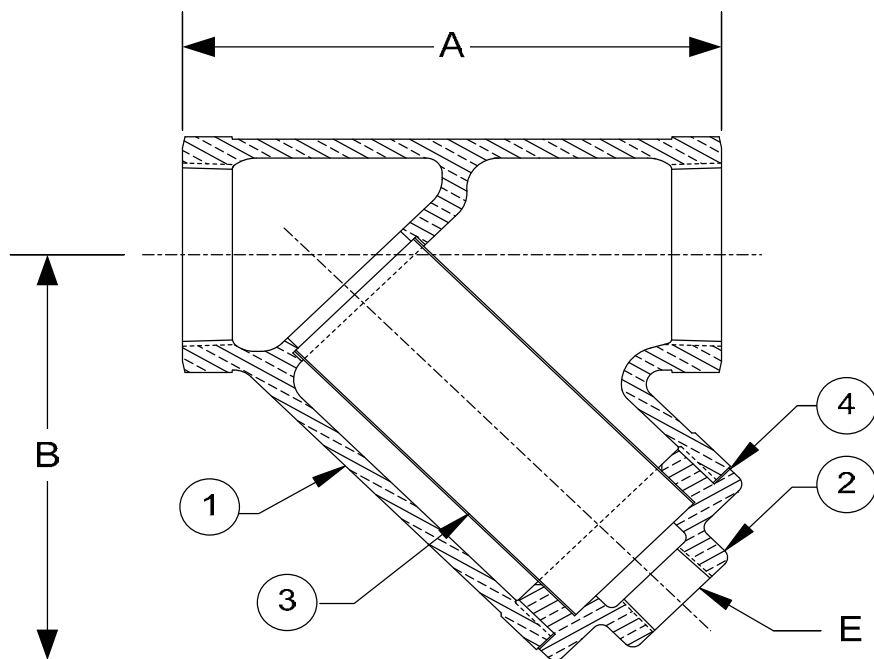
DATE: 07/01/2011

MAT'L: Cast Bronze

REQ. ---

DR. BY DSF

DRAWING NO.
AL 73155



PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
250# (THREADED)	STEAM	235 PSI @ 400°F
	W.O.G.	400 PSI @ 150°F 250 PSI @ 400°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 62, C83600)
2	CAP	BRONZE (ASTM B 62, C83600)
3	SCREEN	BRASS
4	GASKET	COPPER

Optional: Blow-off Plug, Brass

Product Numbers†	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/43THY-B2045P34-CT	1/4	2-9/16	2	1/8	0.75
3/83THY-B2045P34-CT	3/8	2-9/16	2	1/8	0.75
1/23THY-B2045P34-CT	1/2	2-15/16	2-1/8	1/8	1.00
3/43THY-B2045P34-CT	3/4	3-3/8	2-11/16	1/4	1.50
13THY-B2045P34-CT	1	4-1/8	3	1/4	2.50
11/43THY-B2045P34-CT	1-1/4	4-13/16	3-3/4	3/8	4.25
11/23THY-B2045P34-CT	1-1/2	5-3/8	4-3/8	1/2	6.25
23THY-B2045P34-CT	2	6-5/8	5-1/2	3/4	11.00
21/23THY-B2045P34-CT	2-1/2	8-1/4	6-3/4	1-1/4	17.75
33THY-B2045P34-CT	3	9-5/8	7-1/8	1-1/2	25.75

†See "Style F-300 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	24	1/32	29%	3/64	33%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 73155

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 250# Threaded Style F-300

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Bronze

REQ. ---

DR. BY DSF

Style A

Y-Strainer

Cast Iron (ASTM A 126, Class B)

250 lb.



Cast Iron Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style A strainers are constructed from rugged cast iron castings that are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.1.

FEATURES

The Keckley Style A strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is a synthetic fiber that is compressed between the body and cover for maximum strength and durability. Keckley Style A strainers can be furnished with a blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If the media is not indicated, screens for *water* will be supplied.

SELF CLEANING

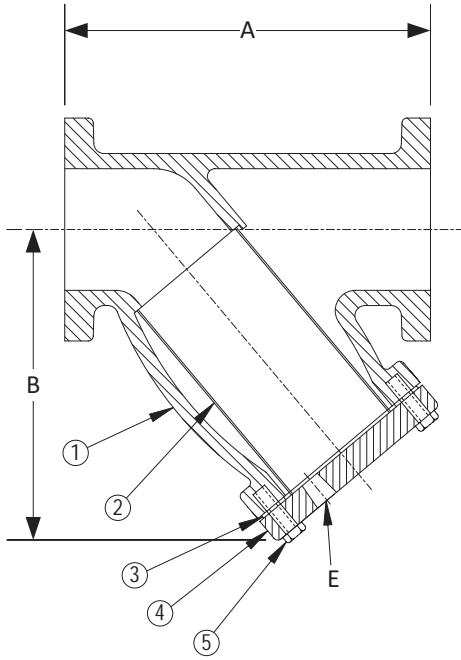
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	2" to 12"	50 mm to 300 mm
250# R.F. & D. (EX. HEAVY FLANGE)	STEAM	250 PSI @ 450°F	1724 KPa @ 232°C
	W.O.G.	500 PSI @ 150°F	3449 KPa @ 66°C
	MEDIA	14" and 16"	350 mm and 400 mm
	STEAM	200 PSI @ 406°F	1379 KPa @ 208°C
	W.O.G.	300 PSI @ 150°F	2069 KPa @ 66°C

GOVERNMENT/MILITARY SPECIFICATIONS

Style A cast iron flanged strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).



Style A

Y-Strainer, 250 lb. Flanged
Cast Iron (ASTM A 126, Class B)

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	Body	Cast Iron (ASTM A 126, Class B)
2	Screen	Stainless Steel (304)
3	Gasket	Composition
4	Cover	Cast Iron (ASTM A 126, Class B)
5	Hex Head Cap Screw	Steel

Optional: Blow-off Plug (Malleable Iron).

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		FOR LIQUID		OPEN	
in	mm		in	mm	AREA	in	mm	AREA
2 to 4	50 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	125 to 250	24	3/64	1.2	33%	1/8	3.2	43%
12	300	24	1/16	1.6	30%	1/8	3.2	43%
14 & 16	350 & 400	20	1/8	3.2	43%	1/8	3.2	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
2	50	9-7/8	251	6-1/4	159	1/2	15	33	15
2-1/2	65	11-1/4	286	7-3/4	197	1	25	49	22
3	80	12-1/2	318	8-1/4	210	1	25	57	26
4	100	14-5/8	371	10-1/8	257	1-1/4	32	106	48
5	125	18	457	12-1/2	318	1-1/4	32	157	71
6	150	20-3/8	518	14-3/8	365	1-1/2	40	215	98
8	200	23-7/8	606	17-1/2	445	1-1/2	40	315	143
10	250	29-5/8	752	21	533	2	50	525	238
12	300	33-3/4	857	23-5/8	600	2	50	700	318
14	350	38	965	27-1/8	689	2	50	1400	635
16	400	42-3/8	1076	29-1/4	743	2	50	1850	839

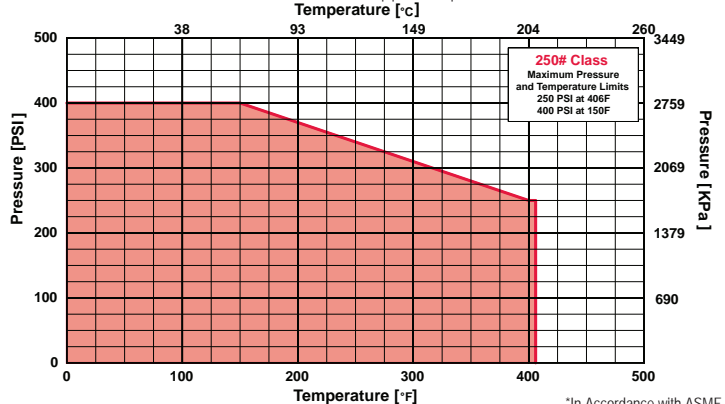
Certified dimensional drawings are available upon request.

¹This table reflects only the nearest metric equivalents.

[Click Here
For Your Free Quote](#)

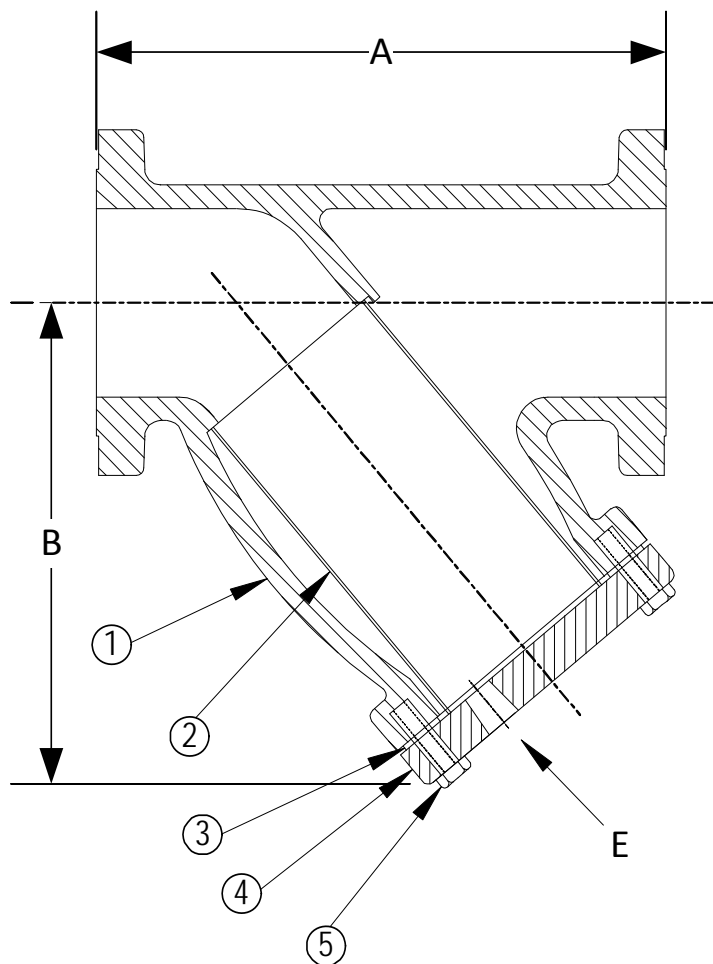
PRESSURE vs. TEMPERATURE CHART

250# Flanged Cast Iron (ASTM A 126, Class B)
Suitable for use with pipe sizes up to 12"



¹In Accordance with ASME B16.1

DRAWING NO.
AL 731745



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK			
NOM. RATING	MEDIA	2" to 12"	14" and UP
250# R.F. & D. (EX. HEAVY FLANGE)	STEAM	250 PSI @ 450°F	200 PSI @ 406°F
	W.O.G.	500 PSI @ 150°F	300 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST IRON (ASTM A 126, CLASS B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	COMPOSITION
4	COVER	CAST IRON (ASTM A 126, CLASS B)
5	HEX HEAD CAP SCREWS	STEEL

Optional: Blow-off Plug, Malleable Iron

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
23RFY-CI062P34-FB	2	9-7/8	6-1/4	1/2	4	5/8-11 x 1-1/2	33
21/23RFY-CI-062P34-FB	2-1/2	11-1/4	7-3/4	1	4	5/8-11 x 1-1/2	49
33RFY-CI06234-FB	3	12-1/2	8-1/4	1	4	5/8-11 x 1-1/2	57
43RFY-CI062P34-FB	4	14-5/8	10-1/8	1-1/4	8	5/8-11 x 1-3/4	106
53RFY-CI125P34-FB	5	18	12-1/2	1-1/4	8	3/4-10 x 2	157
63RFY-CI125P34-FB	6	20-3/8	14-3/8	1-1/2	8	3/4-10 x 2	215
83RFY-CI125P34-FB	8	23-7/8	17-1/2	1-1/2	8	3/4-10 x 2-1/4	315
103RFY-CI125P34-FB	10	29-5/8	21	2	12	7/8-9 x 2-1/4	525
123RFY-CI125P34-FB	12	33-3/4	23-5/8	2	12	7/8-9 x 2-1/2	700
143RFY-CI125P34-FB	14	38	27-1/8	2	-	-	1400
163RFY-CI125P34-FB	16	42-3/8	29-1/4	2	-	-	1850

[†]See "Style A Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%
14 & UP	20	1/8	43%	1/8	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 731745

DIMENSIONAL ASSEMBLY

PART NO.

2" to 16" 250# Flg Style A

SCALE: NTS

DATE: 12/28/2016

MAT'L: Cast Iron

REQ. ---

DR. BY DSF

Style A-7

Y-Strainer

Cast Iron (ASTM A 126, Class B)

125 lb. & 250 lb. Flanged



Cast Iron Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style A-7 strainers are constructed from rugged cast iron castings that are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.1.

FEATURES

The Keckley Style A-7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. Style A-7 strainers are furnished with a synthetic fiber that is compressed between the body and cover for maximum strength and durability. Keckley Style A-7 strainers, sizes 2" - 12", are supplied with 1/4" NPT DP taps.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If the media is not indicated, screens for *water* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

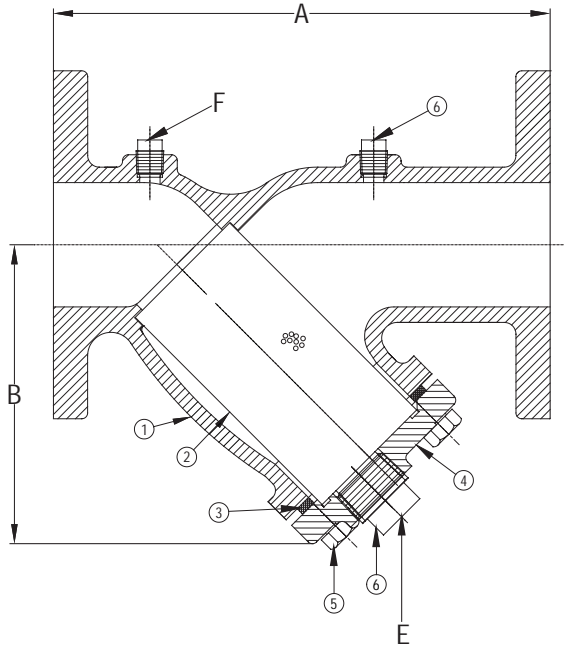
NOM. RATING	MEDIA	2" to 12"	50 mm to 300 mm
125# F.F. & D. (STANDARD FLANGE)	STEAM	125 PSI @ 450°F	862 KPa @ 232°C
	W.O.G.	200 PSI @ 150°F	1379 KPa @ 66°C
	MEDIA	14" and UP	350 mm and UP
	STEAM	100 PSI @ 353°F	690 KPa @ 178°C
	W.O.G.	150 PSI @ 150°F	1035 KPa @ 66°C
NOM. RATING	MEDIA	2" to 12"	50 mm to 300 mm
250# R.F. & D. (EX. HEAVY FLANGE)	STEAM	250 PSI @ 450°F	1724 KPa @ 232°C
	W.O.G.	500 PSI @ 150°F	3449 KPa @ 66°C

GOVERNMENT/MILITARY SPECIFICATIONS

Style A-7 cast iron flanged strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).

Style A-7

Y-Strainer, 125 lb. & 250 lb. Flanged
Cast Iron (ASTM A 126, Class B)



*F" dimension is 1/4" NPT for sizes 2" - 12" only.

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Cast Iron (ASTM A 126, Class B)
2	Screen	Stainless Steel (304)
3	Gasket	Composition
4	Cover	Cast Iron (ASTM A 126, Class B)
5	Hex Head Cap Screw	Steel
6	Plug	Steel

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN FOR LIQUID		OPEN	
in	mm		in	mm	AREA	in	mm	AREA
2 to 4	50 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	125 to 250	24	3/64	1.2	33%	1/8	3.2	43%
12	300	24	1/16	1.6	30%	1/8	3.2	43%
14 & up	350 & UP	20	1/8	3.2	43%	1/8	3.2	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS												WEIGHTS			
		A				B				E							
		125#		250#		125#		250#		125#		250#		125#		250#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
2	50	7-7/8	200	9-5/16	237	5-1/16	129	6-1/4	159	1/2	15	1/2	15	17	8	33	15
2-1/2	65	10	254	11-1/16	281	6-1/8	156	7-3/4	197	1	25	1	25	24	11	49	22
3	80	10-1/8	257	12-5/8	321	6-9/16	167	8-1/4	210	1	25	1	25	31	14	57	26
4	100	12-1/8	308	15-5/8	397	8-1/16	205	10-1/8	257	1-1/2	40	1-1/4	32	50	23	106	48
5	125	15-5/8	397	18-1/4	464	11	278	12-1/2	318	2	50	1-1/4	32	86	39	157	71
6	150	18-1/2	470	20-3/16	512	12-5/8	322	14-3/8	365	2	50	1-1/2	40	114	52	215	98
8	200	21-5/8	549	25-1/8	638	15-5/8	396	17-1/2	445	2	50	1-1/2	40	203	92	315	143
10	250	25-3/4	654	29-1/8	739	17-3/4	451	21	533	2	50	2	50	293	133	525	238
12	300	29-7/8	759	33-3/4	857	21-5/16	542	23-5/8	600	2	50	2	50	489	222	700	318
14	350	33-1/4	846	37-1/4	946	26-3/4	680	27-1/8	689	2	50	2	50	772	350	1400	635
16	400	38-3/4	984	42-3/8	1076	30-1/8	765	29-1/4	743	2	50	2	50	994	451	1850	839
18	450	43-1/2	1105	--	--	33-1/4	845	--	--	2	50	--	--	1379	626	--	--
20	500	49-1/2	1257	--	--	39-1/4	997	--	--	2	50	--	--	1652	750	--	--
24	600	55-13/16	1418	--	--	41	1041	--	--	2	50	--	--	3400	1542	--	--

Certified dimensional drawings are available upon request.

[†]This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v	Size	C _v
2"	62	5"	364	12"	2261	20"	8064
2 1/2"	98	6"	585	14"	3479	(Reflects 125 lb. castings only)	
3"	155	8"	942	16"	5060		
4"	269	10"	1572	18"	6008		

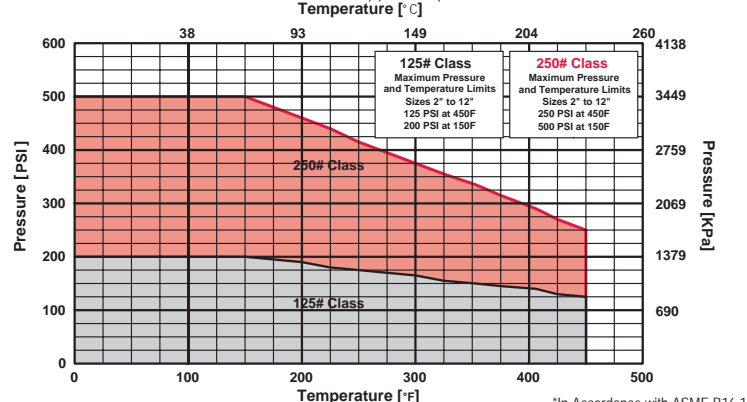
TOTAL SCREEN AREA

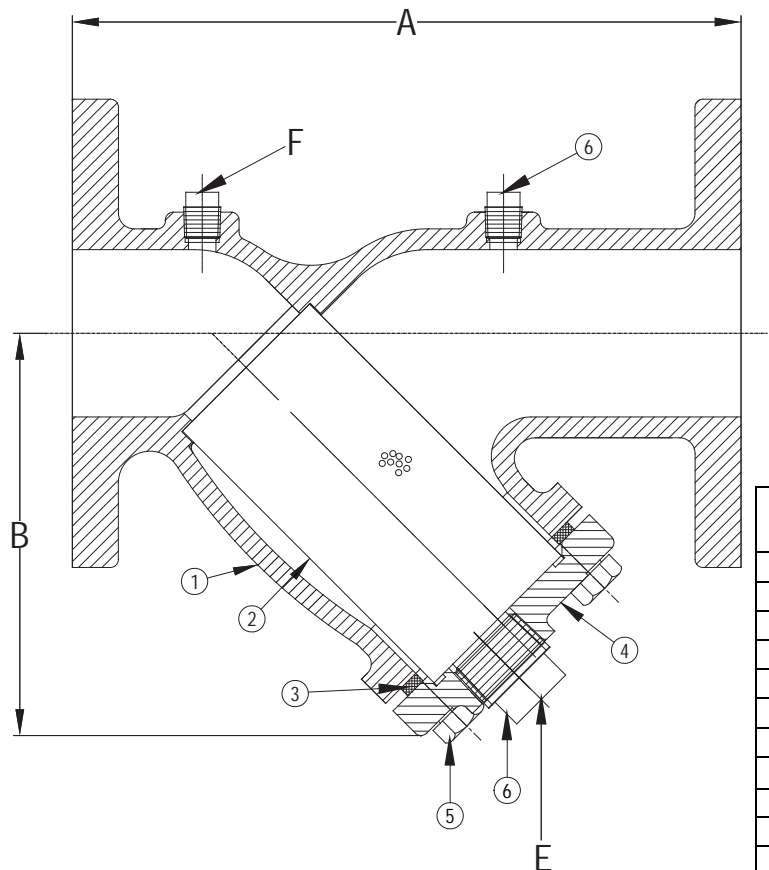
Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
2"	28.84	5"	143.94	12"	596.07	20"	2947.1
2 1/2"	45.47	6"	237.76	14"	1175.30	(Reflects 125 lb. castings only)	
3"	54.68	8"	345.30	16"	1471.34		
4"	91.12	10"	537.30	18"	2381.54		

*See DETERMINING RATIOS on page S5 of the Strainer Information
Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

125# & 250# Flanged Cast Iron (ASTM A 126, Class B)
Suitable for use with pipe sizes up to 12"





BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK			
NOM. RATING	MEDIA	2" to 12"	14" and UP
125# F.F. & D. (STANDARD FLANGE)	STEAM	125 PSI @ 450°F	100 PSI @ 353°F
	W.O.G.	200 PSI @ 150°F	150 PSI @ 150°F

DRAWING NO.
AL 91600

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST IRON (ASTM A 126, CLASS B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	COMPOSITION
4	COVER	CAST IRON (ASTM A 126, CLASS B)
5	HEX HEAD CAP SCREWS	STEEL
6	PLUG	CARBON STEEL (ASTM A 105)

Product Number†	SIZE	DIMENSIONS (in)				COVER		WEIGHT (lbs)
		A	B	E	F	No of bolts	Size of Bolts	
21FFY-CI062P34-FBB	2	7-7/8	5-1/16	1/2	1/4	6	3/8-16 x 1-1/2	17
21/21FFY-CI-062P34-FBB	2-1/2	10	6-1/8	1	1/4	6	3/8-16 x 1-1/2	24
31FFY-CI06234-FBB	3	10-1/8	6-9/16	1	1/4	4	1/2-13 x 1-3/4	31
41FFY-CI062P34-FBB	4	12-1/8	8-1/16	1-1/2	1/4	4	1/2-13 x 1-1/2	50
51FFY-CI125P34-FBB	5	15-5/8	11	2	1/4	8	5/8-11 x 1-3/4	86
61FFY-CI125P34-FBB	6	18-1/2	12-5/8	2	1/4	8	5/8-11 x 1-3/4	114
81FFY-CI125P34-FBB	8	21-5/8	15-5/8	2	1/4	8	3/4-10 x 2	203
101FFY-CI125P34-FBB	10	25-3/4	17-3/4	2	1/4	12	7/8-9 x 2-1/4	293
121FFY-CI125P34-FBB	12	29-7/8	21-5/16	2	1/4	12	7/8-9 x 2-1/2	489
141FFY-CI125P34-FBB	14	33-1/4	26-3/4	2	N/A			772
161FFY-CI125P34-FBB	16	38-3/4	30-1/8	2	N/A			994
181FFY-CI125P34-FBB	18	43-1/2	33-1/4	2	N/A			1379
201FFY-CI125P34-FBB	20	49-1/2	39-1/4	2	N/A			1652
241FFY-CI125P34-FBB	24	55-13/16	41	2	N/A	-	-	3400

†See "Style A-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%
14 & UP	20	1/8	43%	1/8	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 91600

DIMENSIONAL ASSEMBLY

PART NO.

2" to 24" 125# Flg Style A-7

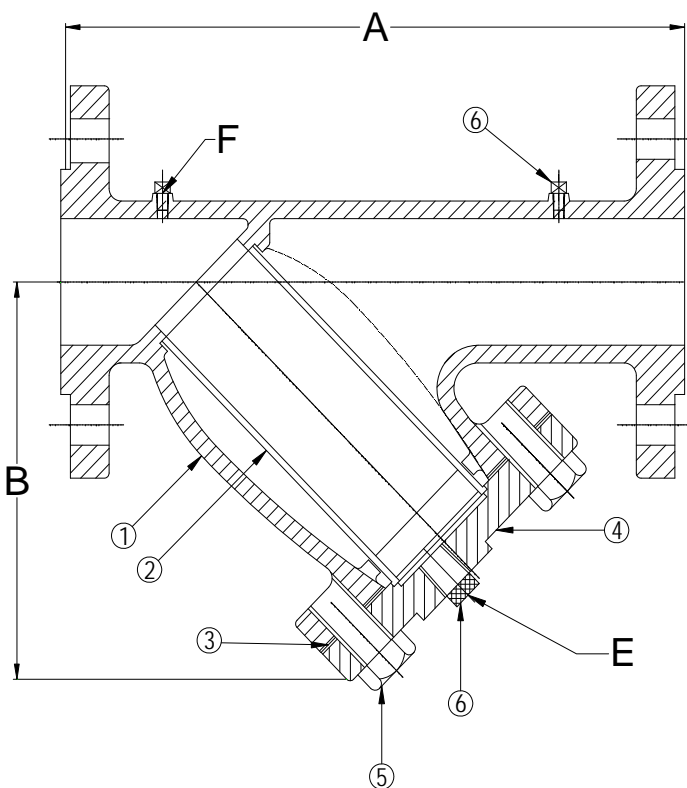
SCALE: NTS

DATE: 02/10/2016

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF



"F" dimension is 1/4" NPT for sizes 2" – 12" only.

BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	2" to 12"
250# R.F. & D. (STANDARD FLANGE)	STEAM	250 PSI @ 450°F
	W.O.G.	500 PSI @ 150°F

DRAWING NO.
AL 106360

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST IRON (ASTM A 126, CLASS B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	COMPOSITION
4	COVER	CAST IRON (ASTM A 126, CLASS B)
5	HEX HEAD CAP SCREWS	STEEL
6	PLUG	CARBON STEEL (ASTM A 105)

Product Number [†]	SIZE	DIMENSIONS (in)				COVER		WEIGHT (lbs)
		A	B	E	F	No of bolts	Size of Bolts	
23RFY-CI062P34-FBB	2	9-5/16	6-1/4	1/2	1/4	4	5/8-11 x 1-1/2	33
21/23RFY-CI-062P34-FBB	2-1/2	11-1/16	7-3/4	1	1/4	4	5/8-11 x 1-1/2	49
33RFY-CI06234-FBB	3	12-5/8	8-1/4	1	1/4	4	5/8-11 x 1-1/2	57
43RFY-CI062P34-FBB	4	15-5/8	10-1/8	1-1/4	1/4	8	5/8-11 x 1-3/4	106
53RFY-CI125P34-FBB	5	18-1/4	12-1/2	1-1/4	1/4	8	3/4-10 x 2	157
63RFY-CI125P34-FBB	6	20-3/16	14-3/8	1-1/2	1/4	8	3/4-10 x 2	215
83RFY-CI125P34-FBB	8	25-1/8	17-1/2	1-1/2	1/4	8	3/4-10 x 2-1/4	315
103RFY-CI125P34-FBB	10	29-1/8	21	2	1/4	12	7/8-9 x 2-1/4	525
123RFY-CI125P34-FBB	12	33-3/4	23-5/8	2	1/4	12	7/8- x 2-1/2	700
143RFY-CI125P34-FBB	14	37-1/4	27-1/8	2	N/A			1400
163RFY-CI125P34-FBB	16	42-3/8	29-1/4	2	N/A			1850

[†]See "Style A-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 16	24	1/16	30%	1/8	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 106360

DIMENSIONAL ASSEMBLY

PART NO.

2" to 16" 250# Flg Style A-7

SCALE: NTS

DATE: 03/05/2018

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

Style B

Y-Strainer

Cast Iron (ASTM A 126, Class B)

250 lb. Threaded



Cast Iron Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style B strainers are constructed from rugged cast iron castings that are machined to exacting specifications.

FEATURES

The Keckley Style B features a tapered bushing in sizes 1/4" thru 2" and bolted cover with gasket for sizes 2-1/2", 3" and 4". All Keckley Style B strainers are furnished standard with a NPT blow-off connection and can be supplied with a cast iron blow-off plug upon request.

SCREENS

Standard screens are 20 mesh 304 stainless steel through size 2". Sizes 2-1/2", 3" and 4" are furnished with 1/16" perforated 304 stainless steel screens. All screens are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

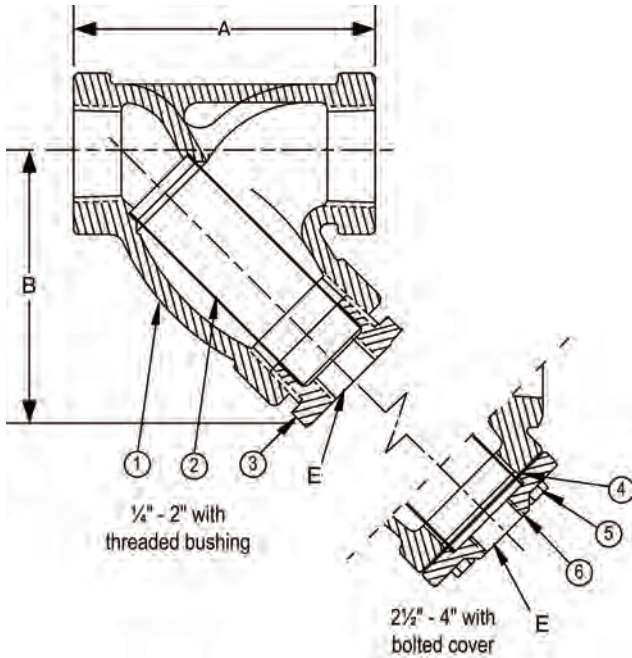
NOM. RATING	MEDIA	1/4" to 4"	8 mm to 100 mm
250# (Threaded)	STEAM	250 PSI @ 406°F	1724 KPa @ 208°C
	W.O.G.	400 PSI @ 150°F	2759 KPa @ 66°C

GOVERNMENT/MILITARY SPECIFICATIONS

Style B cast iron threaded strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).

Style B

Y-Strainer, 250 lb. Threaded Cast Iron (ASTM A 126, Class B)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Cast Iron (ASTM A 126, Class B)
2	Screen	Stainless Steel (304)
3	Bushing	Malleable Iron
4	Gasket*	Composition
5	Cap Screw*	Steel
6	Cover*	Cast Iron (ASTM A 126, Class B)

Optional: Blow-off Plug, Malleable Iron

*2 1/2", 3" & 4" only.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
			FOR STEAM		FOR LIQUID	
in	mm		in	mm	OPEN AREA	OPEN AREA
1/4 to 2	8 to 50		20 MESH STAINLESS STEEL			49%
2-1/2 to 4	65 to 100	28	3/64	1.2	33%	1/16 1.6 30%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-5/8	67	3/8	10	2	0.9
3/8	10	3	76	2-5/8	67	3/8	10	2	0.9
1/2	15	3	76	2-5/8	67	3/8	10	2	0.9
3/4	20	4	102	3-5/8	92	1/2	15	3	1.4
1	25	4-7/8	124	4-1/2	114	3/4	20	4.5	2.0
1-1/4	32	5-1/8	130	4-3/4	121	3/4	20	6	2.7
1-1/2	40	5-3/4	146	4-7/8	124	1	25	8	3.6
2	50	7-1/4	184	5-3/4	146	1-1/4	32	15.5	7.0
2-1/2	65	8-7/8	225	7-1/2	191	1-1/4	32	25	11.3
3	80	10	254	8	203	1-1/2	40	36	16.3
4	100	15-1/4	387	12-1/2	318	2	50	95	43.1

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

Click Here
For Your Free Quote

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3
1"	30	2"	98	4"	256.2

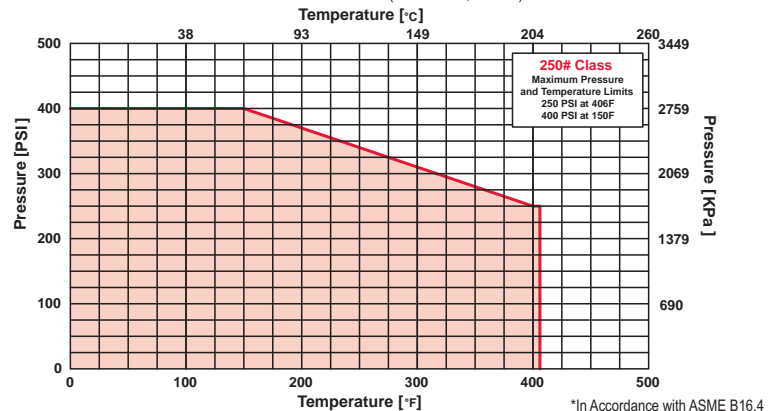
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	5.50	1-1/4"	18.69	2-1/2"	54.13
3/4"	8.59	1-1/2"	23.37	3"	73.51
1"	15.22	2"	36.23	4"	154.98

*See DETERMINING RATIOS on page S5 of the
 Strainer Information Section for calculating NET FREE
 AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

250# Threaded Cast Iron (ASTM A 126, Class B)



*In Accordance with ASME B16.4

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

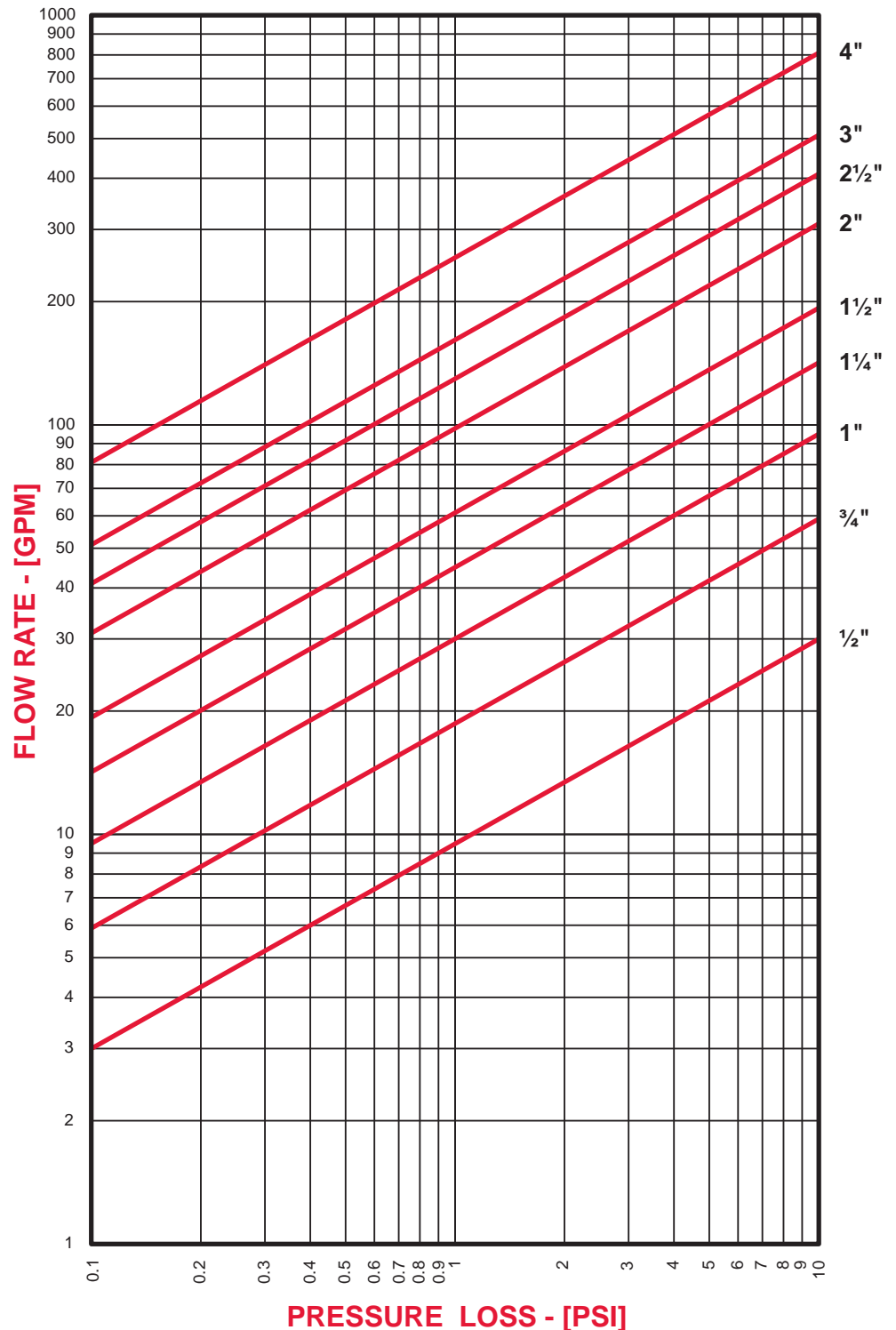
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

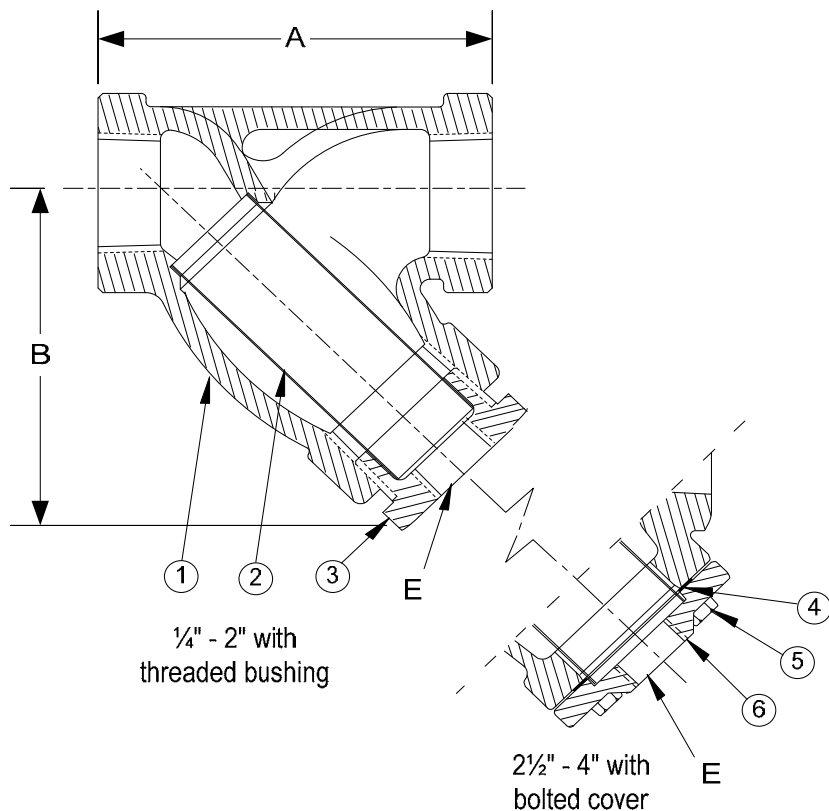
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 73185



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 4"
250# (THREADED)	STEAM	250 PSI @ 406°F
	W.O.G.	400 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST IRON (ASTM A 126, CLASS B)
2	SCREEN	STAINLESS STEEL (304)
3	BUSHING	MALLEABLE IRON
4	GASKET*	COMPOSITION
5	CAP SCREW*	STEEL
6	COVER*	CAST IRON (ASTM A 126, CLASS B)

Optional: Blow-off Plug, Malleable Iron

*2½", 3" * 4" ONLY

Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/43THY-CIM20M34-NT	1/4	3	2-5/8	3/8	--	--	1.75
3/83THY-CIM20M34-NT	3/8	3	2-5/8	3/8	--	--	1.75
1/23THY-CIM20M34-NT	1/2	3	2-5/8	3/8	--	--	2
3/43THY-CIM20M34-NT	3/4	4	3-5/8	1/2	--	--	3
13THY-CIM20M34-NT	1	4-7/8	4-1/2	3/4	--	--	4.5
11/43THY-CIM20M34-NT	1-1/4	5-1/8	4-3/4	3/4	--	--	6
11/23THY-CIM20M34-NT	1-1/2	5-3/4	4-7/8	1	--	--	8
23THY-CIM20M34-NT	2	7-1/4	5-3/4	1-1/4	--	--	15.5
21/23THY-CI062P34-FB	2-1/2	8-7/8	7-1/2	1-1/4	4	1/2-13 x 1-1/2	25
33THY-CI062P34-FB	3	10	8	1-1/2	4	1/2-13 x 1-1/2	36
43THY-CI062P34-FB	4	15-1/4	12-1/2	2	8	3/4-10 x 2	95

†See "Style B Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 2		20 MESH STAINLESS STEEL			49%
2-1/2 to 4	28	3/64	33%	1/16	30%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 73185

DIMENSIONAL ASSEMBLY

PART NO.

¼" to 4" 250# Threaded Style B

SCALE: NTS

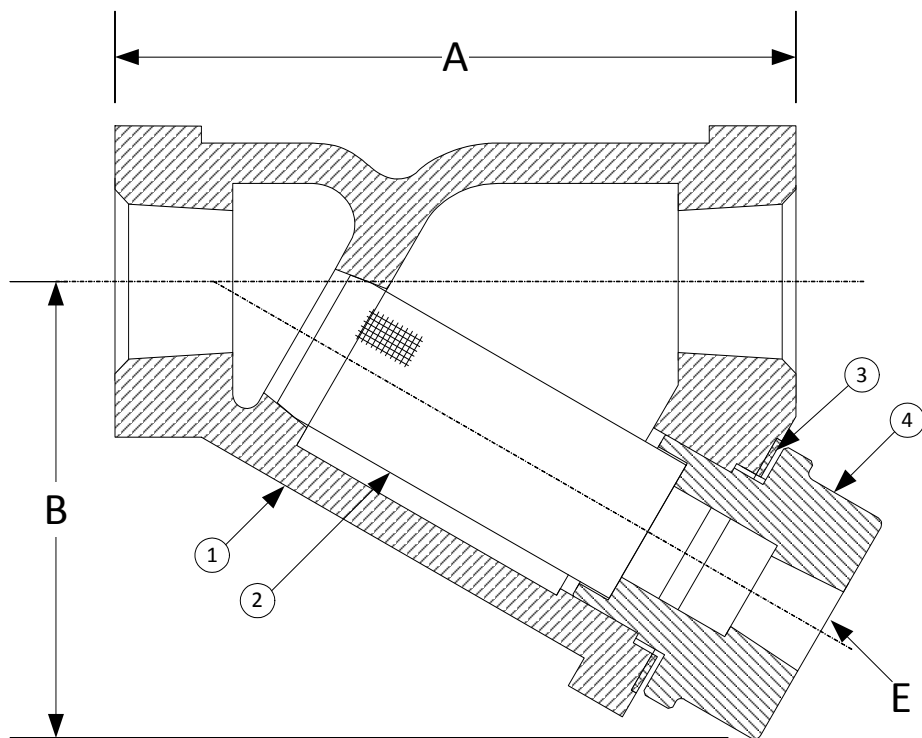
MAT'L: Cast Iron

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 112700



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
250# (THREADED)	STEAM	250 PSI @ 406°F
	W.O.G.	400 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST IRON (ASTM A 126, CLASS B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	GRAPHITE
4	BUSHING	CAST IRON (ASTM A 126, CLASS B)

Optional: Blow-off Plug, Malleable Iron

Product Number [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/43THY-CIM20M34-FT	1/4	3-3/16	2-1/16	1/4	2
3/83THY-CIM20M34-FT	3/8	3-3/16	2-1/16	1/4	2
1/23THY-CIM20M34-FT	1/2	3-3/16	2-1/16	1/4	2
3/43THY-CIM20M34-FT	3/4	3-3/4	2-7/16	3/8	3
13THY-CIM20M34-FT	1	4	2-5/8	3/8	3
11/43THY-CIM20M34-FT	1-1/4	5	3-3/8	3/4	5
11/23THY-CIM20M34-FT	1-1/2	5-3/4	3-7/8	3/4	7
23THY-CIM20M34-FT	2	7	4-3/4	1	13
21/23THY-CI062P34-FT	2-1/2	9-1/4	5-7/8	1-1/2	26
33THY-CI062P34-FT	3	10	6	1-1/2	30

[†]See "Style B7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 2		20 MESH STAINLESS STEEL			49%
2-1/2 to 3	28	3/64	33%	1/16	30%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 112700

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 250# Threaded Style B7

SCALE: NTS

DATE: 02/01/2012

MAT'L: Cast Iron

REQ. ---

DR. BY DSF

Style B7

Y-Strainer

Cast Iron (ASTM A 126, Class B)

250 lb. Threaded



Cast Iron Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style B7 strainers are constructed from rugged cast iron castings that are machined to exacting specifications.

FEATURES

The Keckley Style B7 strainer features a straight thread bushing in sizes 1/4" thru 3". All Keckley Style B7 strainers are furnished standard with a NPT blow-off connection and can be supplied with a cast iron blow-off plug upon request.

SCREENS

Standard screens are 20 mesh 304 stainless steel through size 2". Sizes 2-1/2" and 3" are furnished with 1/16" perforated 304 stainless steel screens. All screens are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

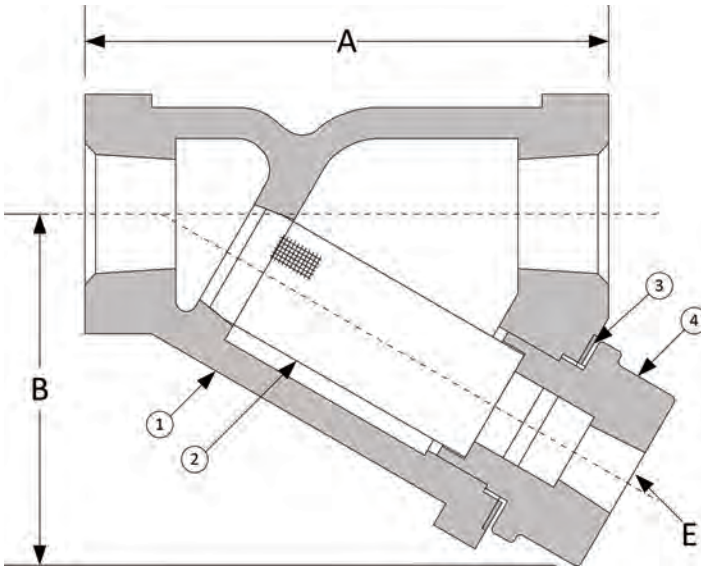
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
250# (Threaded)	STEAM	250 PSI @ 406°F	1724 KPa @ 208°C
	W.O.G.	400 PSI @ 150°F	2759 KPa @ 66°C

Style B7

Y-Strainer, 250 lb. Threaded
Cast Iron (ASTM A 126, Class B)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Cast Iron (ASTM A 126, Class B)
2	Screen	Stainless Steel (304)
3	Gasket	Graphite
4	Bushing	Cast Iron (ASTM A 126, Class B)

Optional: Blow-off Plug, Malleable Iron

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
			FOR STEAM		FOR LIQUID	
in	mm		in	mm	OPEN AREA	OPEN AREA
1/4 to 2	8 to 50		20 MESH STAINLESS STEEL			49%
2-1/2 to 3	65 to 80	28	3/64	1.2	33%	1/16 1.6 30%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3-3/16	81	2-1/16	52	1/4	8	2	0.7
3/8	10	3-3/16	81	2-1/16	52	1/4	8	2	0.7
1/2	15	3-3/16	81	2-1/16	52	1/4	8	2	0.7
3/4	20	3-3/4	95	2-7/16	61	3/8	10	3	1.0
1	25	4	102	2-5/8	66	3/8	10	3	1.4
1-1/4	32	5	127	3-3/8	85	3/4	20	5	2.3
1-1/2	40	5-3/4	146	3-7/8	98	3/4	20	7	3.0
2	50	7-	177	4-3/4	121	1	25	13	5.7
2-1/2	65	9-1/4	235	5-7/8	149	1-1/2	40	26	11.4
3	80	10	254	6	152	1-1/2	40	30	13.6

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

[Click Here](#)
For Your Free Quote

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	0.7	1"	22	2-1/2"	110
3/8"	2	1-1/4"	38	3"	160
1/2"	8	1-1/2"	42		
3/4"	15	2"	71		

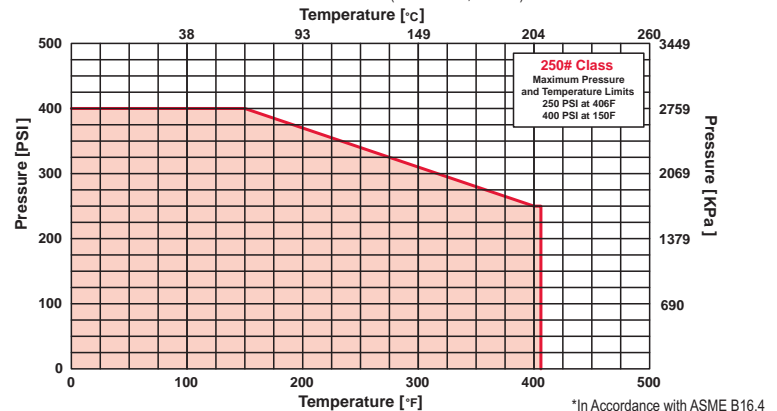
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	3.57	1"	8.06	2-1/2"	47.12
3/8"	3.57	1-1/4"	12.94	3"	47.12
1/2"	3.57	1-1/2"	18.85		
3/4"	6.05	2"	27.44		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

250# Threaded Cast Iron (ASTM A 126, Class B)



*In Accordance with ASME B16.4

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

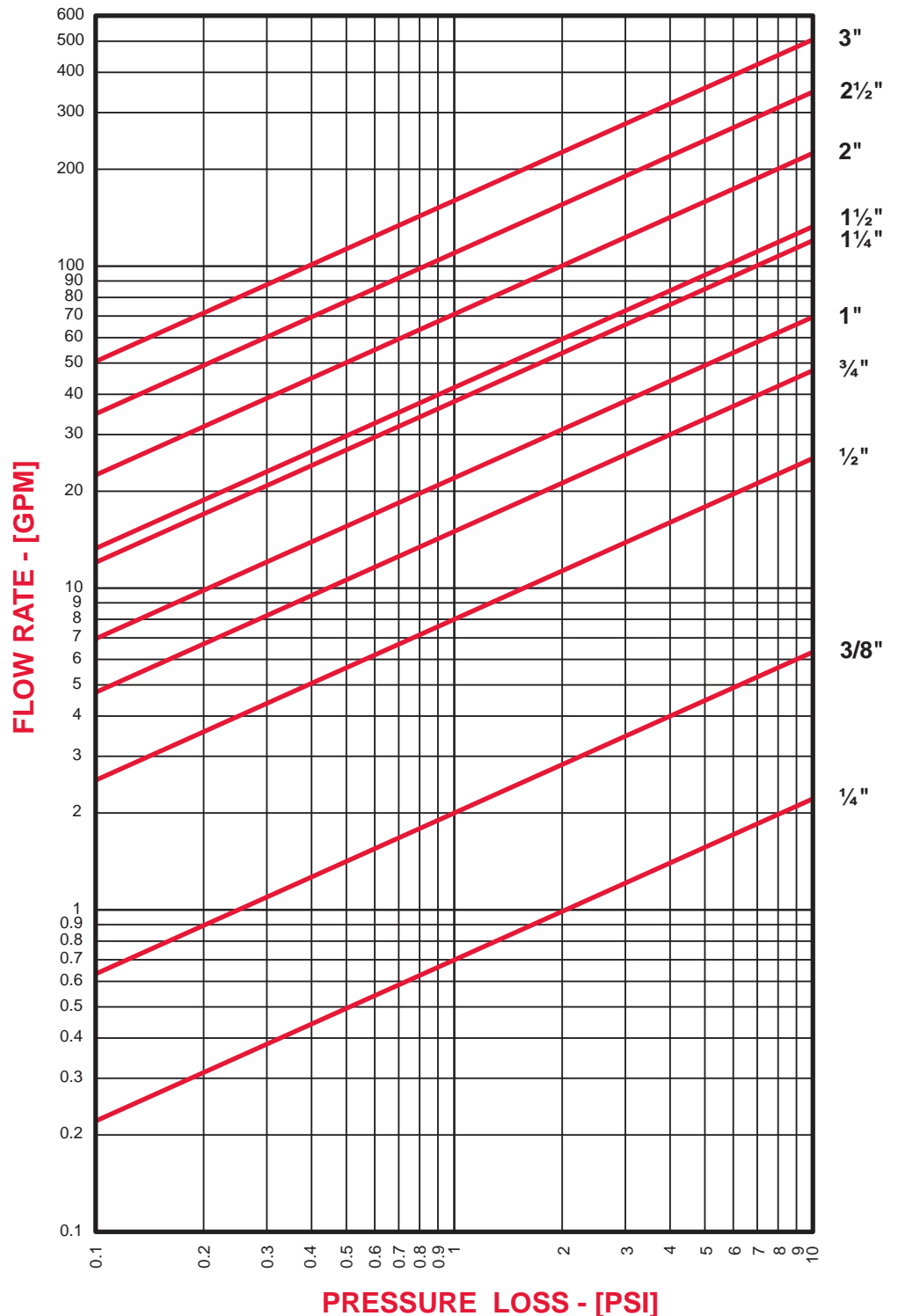
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

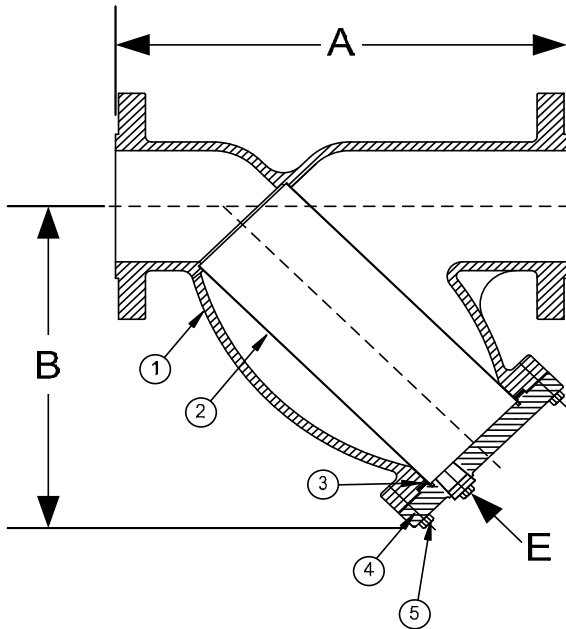
For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



Style SA-7C6

Y-Strainer, 150 lb. & 300 lb. Flanged
Cast Chrome-Moly (ASTM A 217, Grade WC6)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

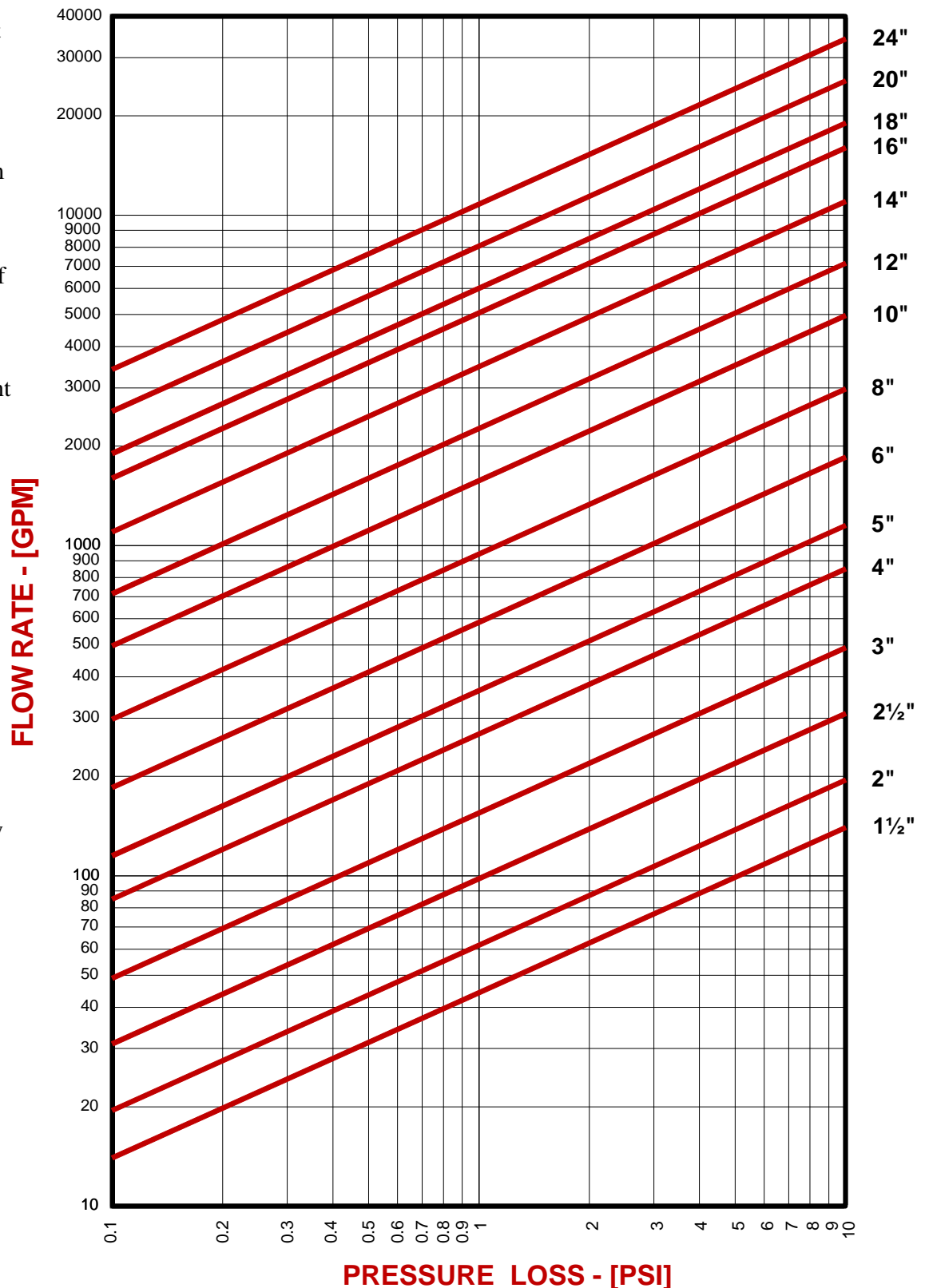
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

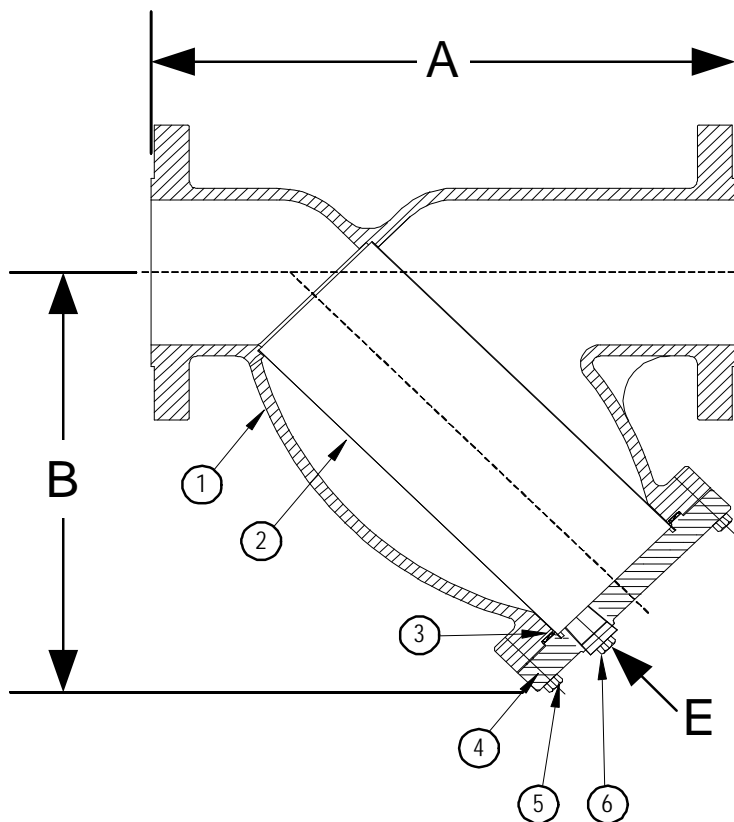
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025C6



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-C6045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-C6045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-C6045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-C6045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-C6045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-C6045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-C6045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-C6045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-C6045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-C6045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-C6045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-C6045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-C6045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-C6062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-C6062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025C6

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SA-7C6

SCALE: NTS

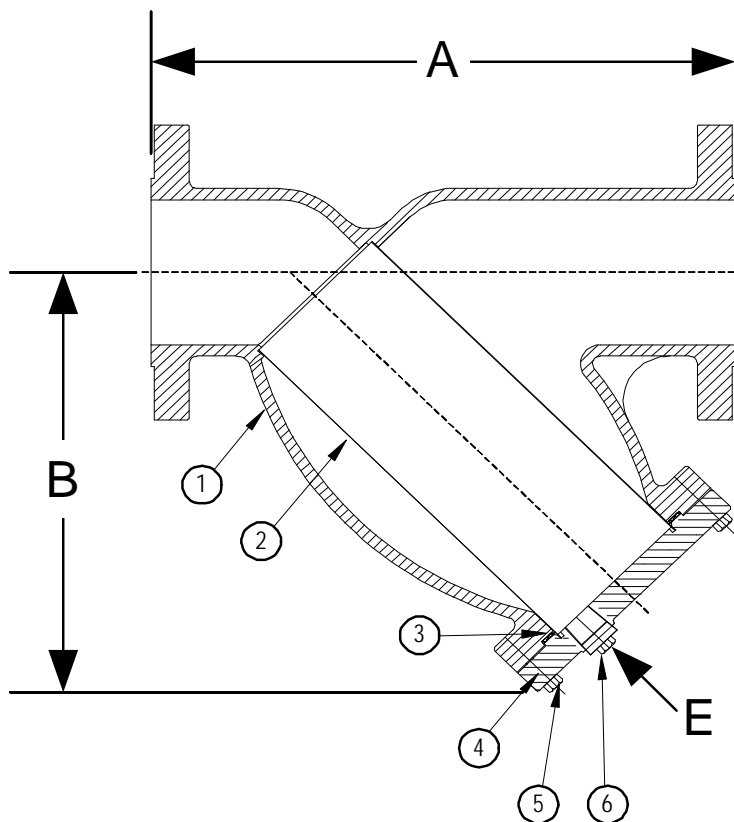
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC6

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77027C6



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-C6045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-C6045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-C6045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-C6045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-C6045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-C6045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-C6045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-C6045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-C6045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-C6045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-C6045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-C6045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-C6045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-C6062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-C6062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77027C6

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SA-7C6

SCALE: NTS

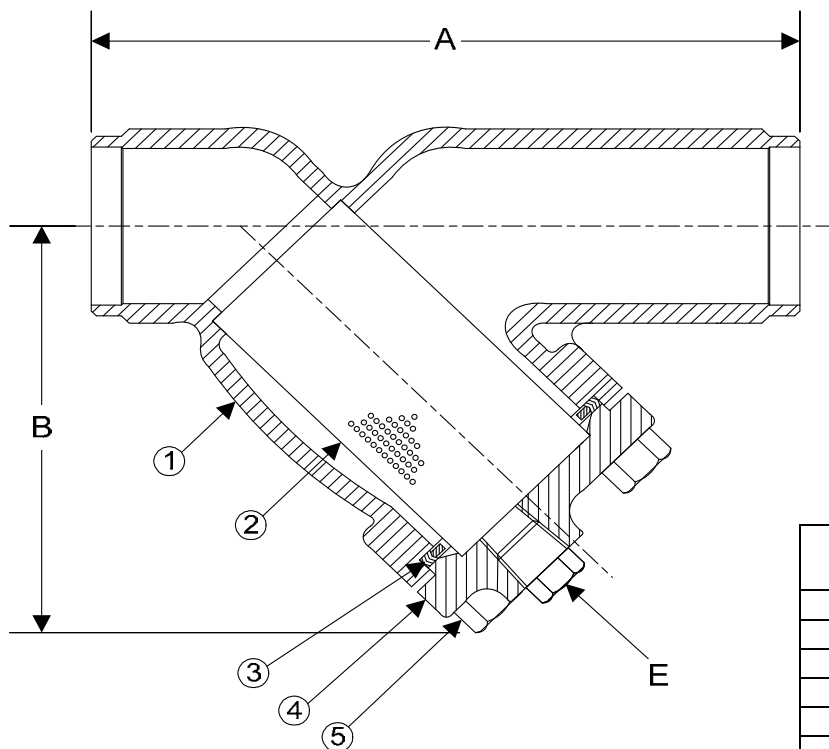
MAT'L: Cast Chrome-Moly WC6

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 90300C6



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-C6045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-C6045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-C6045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-C6045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-C6045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-C6045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-C6045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-C6045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-C6045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-C6045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-C6045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-C6045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-C6045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-C6062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

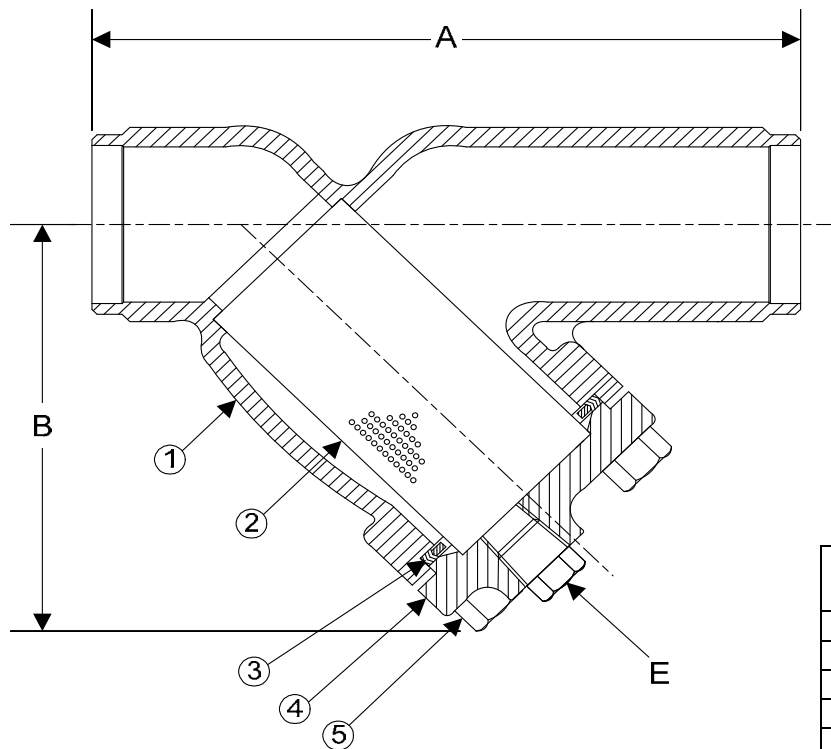
KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300C6

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 150# Schd 40 Butt Weld		SCALE: NTS
Style SA-7C6		DATE: 07/01/2011
MAT'L: Cast Chrome-Moly WC6	REQ. ---	DR. BY DSF

DRAWING NO.
AL 90340C6



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-C6045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-C6045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-C6045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-C6045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-C6045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-C6045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-C6045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-C6045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-C6045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-C6045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-C6045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-C6045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-C6045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-C6062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90340C6

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 300# Schd 40 Butt Weld

SCALE: NTS

Style SA-7C6

DATE: 07/01/2011

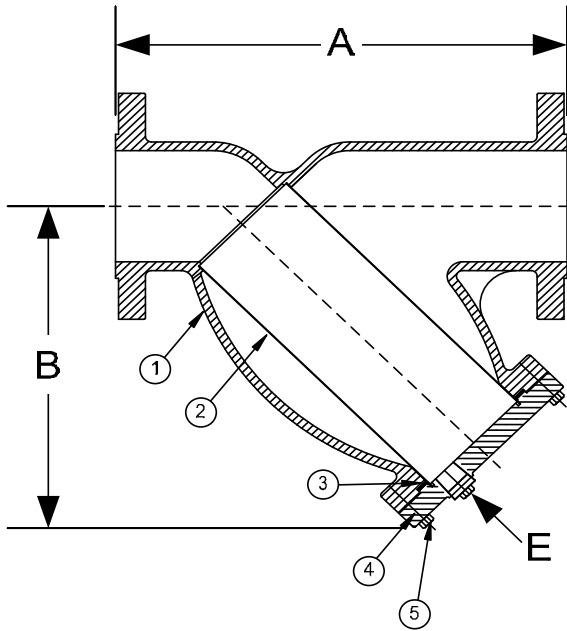
MAT'L: Cast Chrome-Moly WC6

REQ. ---

DR. BY DSF

Style SA-7C9

Y-Strainer, 150 lb. & 300 lb. Flanged
Cast Chrome-Moly (ASTM A 217, Grade WC9)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

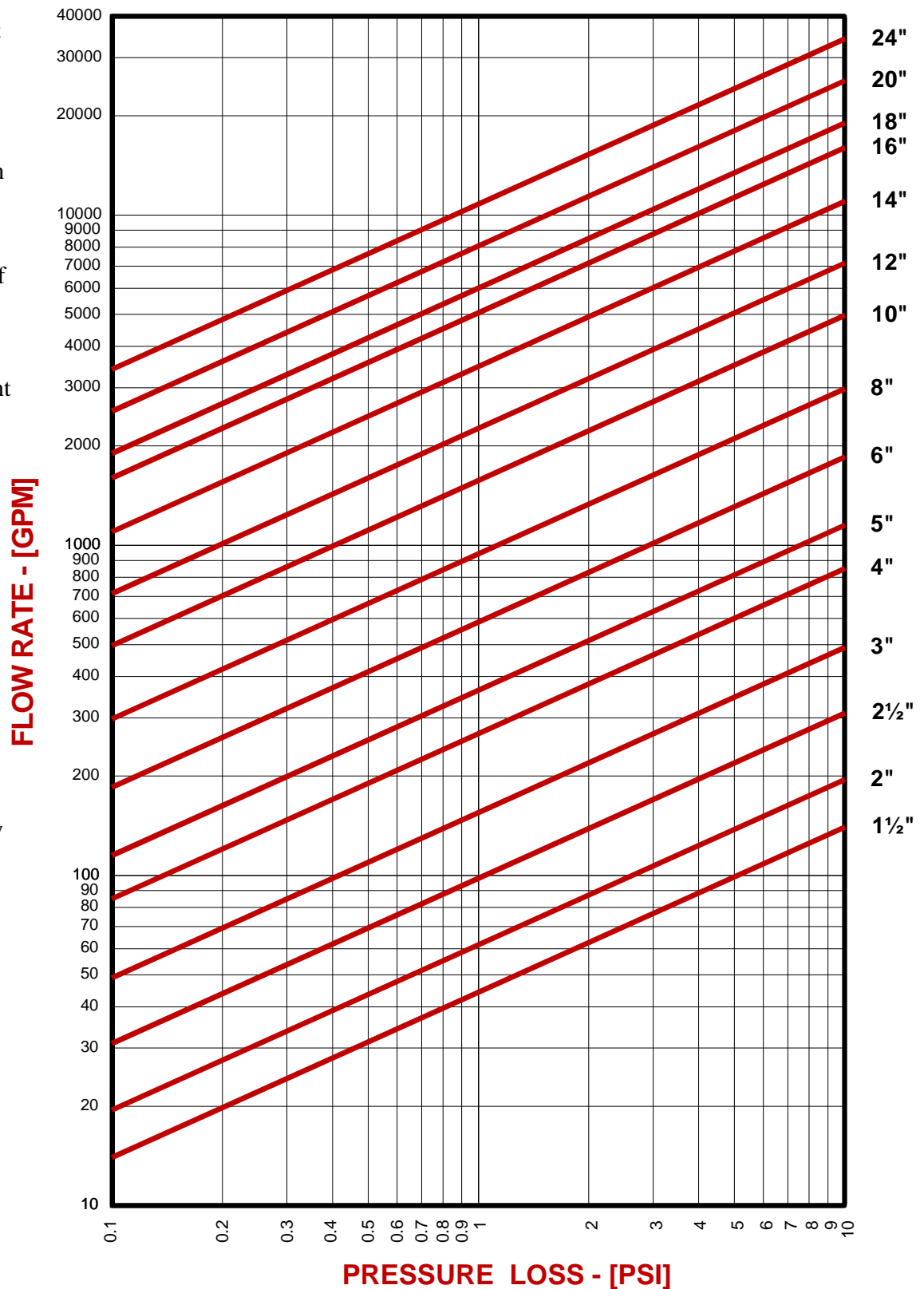
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

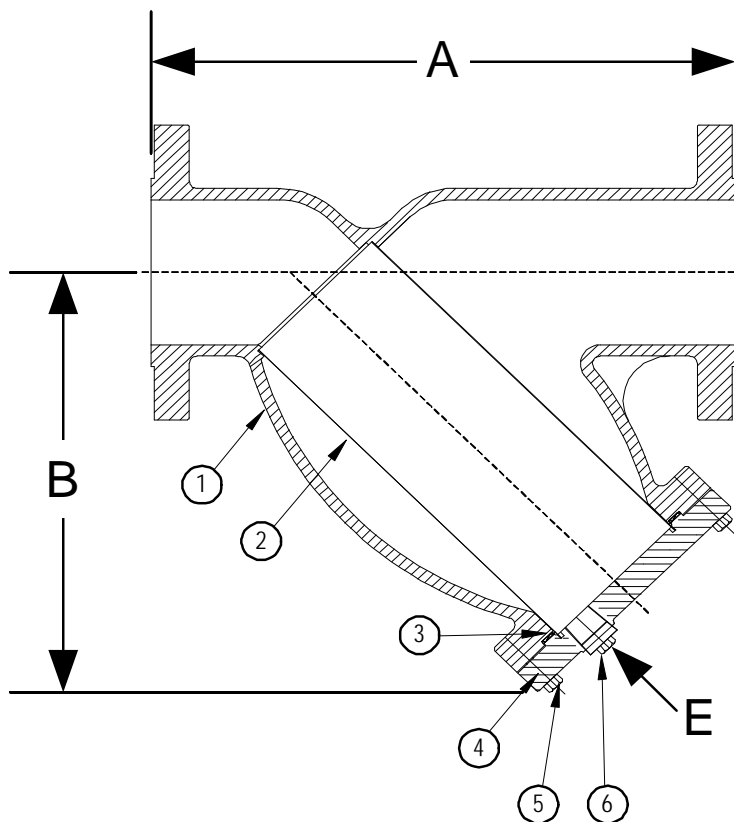
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025C9



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-C9045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-C9045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-C9045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-C9045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-C9045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-C9045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-C9045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-C9045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-C9045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-C9045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-C9045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-C9045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-C9045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-C9062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-C9062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SA-7C9

SCALE: NTS

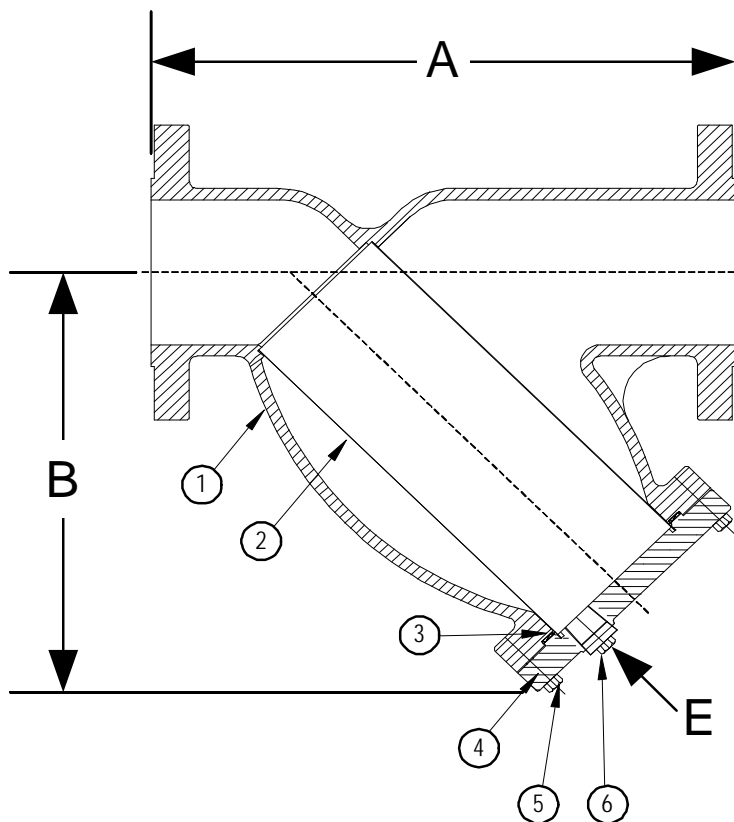
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77027C9



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-C9045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-C9045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-C9045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-C9045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-C9045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-C9045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-C9045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-C9045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-C9045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-C9045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-C9045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-C9045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-C9045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-C9062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-C9062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77027C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SA-7C9

SCALE: NTS

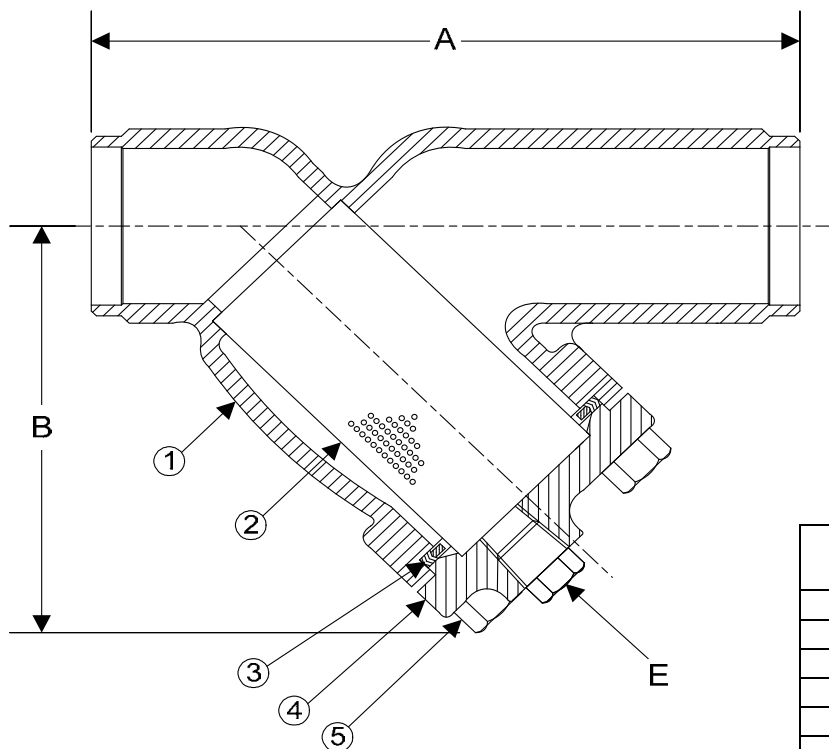
MAT'L: Cast Chrome-Moly WC9

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 90300C9



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-C9045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-C9045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-C9045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-C9045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-C9045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-C9045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-C9045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-C9045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-C9045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-C9045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-C9045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-C9045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-C9045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-C9062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 150# Schd 40 Butt Weld

SCALE: NTS

Style SA-7C9

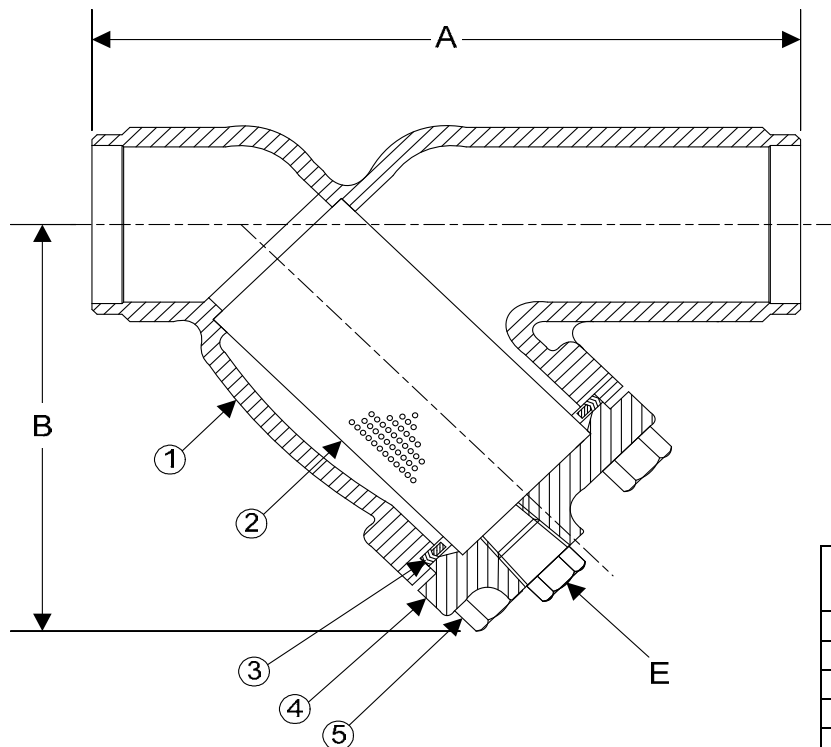
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90340C9



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-C9045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-C9045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-C9045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-C9045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-C9045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-C9045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-C9045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-C9045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-C9045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-C9045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-C9045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-C9045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-C9045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-C9062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90340C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 300# Schd 40 Butt Weld

SCALE: NTS

Style SA-7C9

DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC9

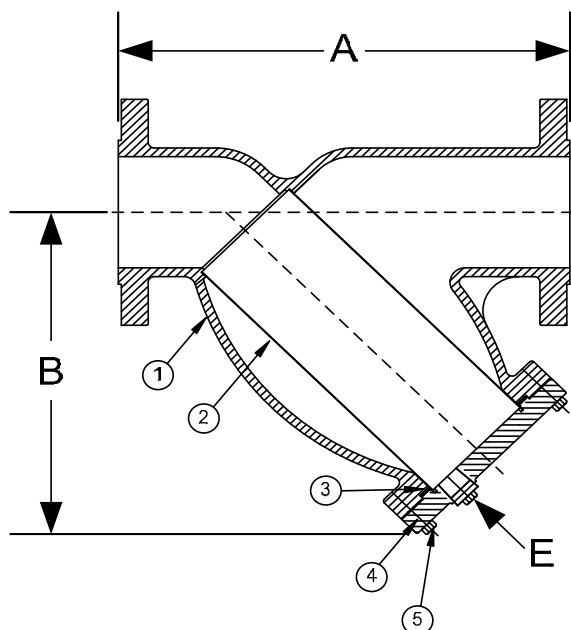
REQ. ---

DR. BY DSF

Style SA-WC6

Y-Strainer, 600 lb. Flanged

Cast Chrome-Moly (ASTM A 217, Grade WC6)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

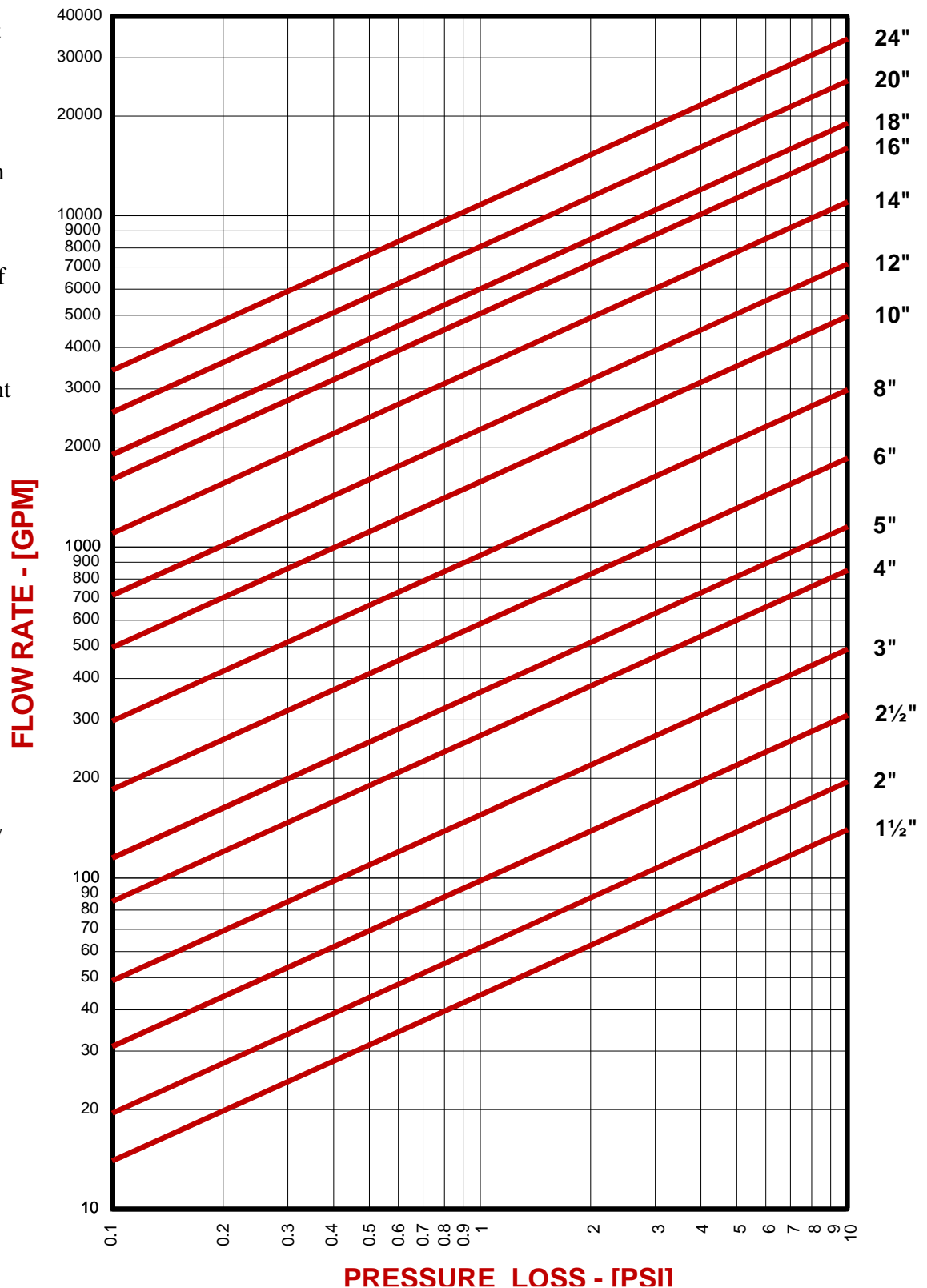
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

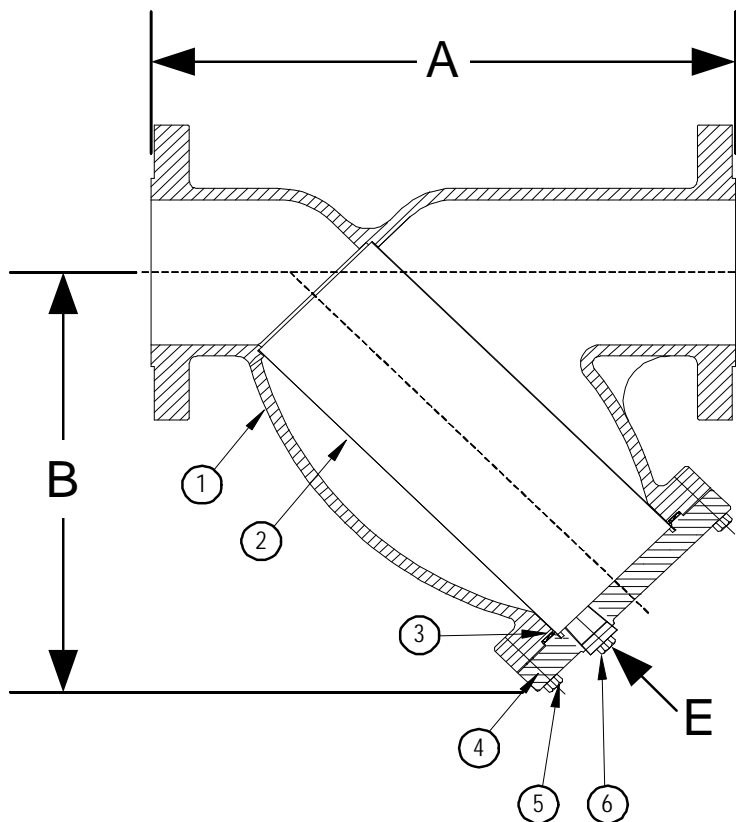
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380C6



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-C6045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-C6045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-C6045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-C6045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-C6045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-C6045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-C6045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-C6045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-C6045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-C6045P34-GB	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-C6045P34-GB	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-C6045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-C6062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90380C6

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SA-C6

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC6

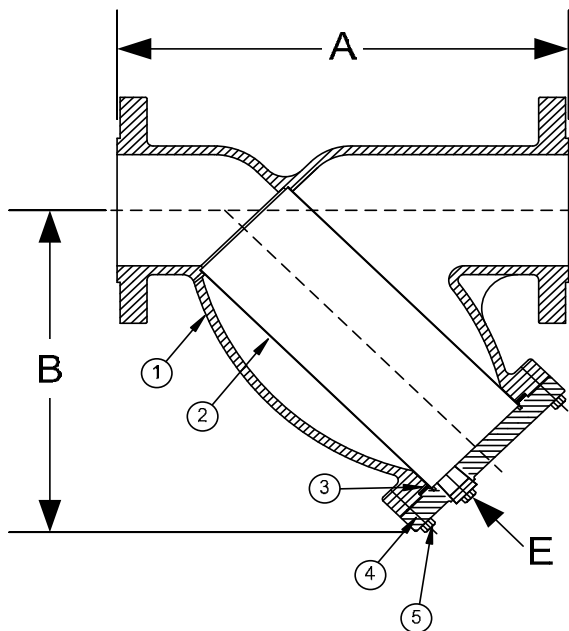
REQ. ---

DR. BY DSF

Style SA-C9

Y-Strainer, 600 lb. Flanged

Cast Chrome-Moly (ASTM A 217, Grade WC9)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

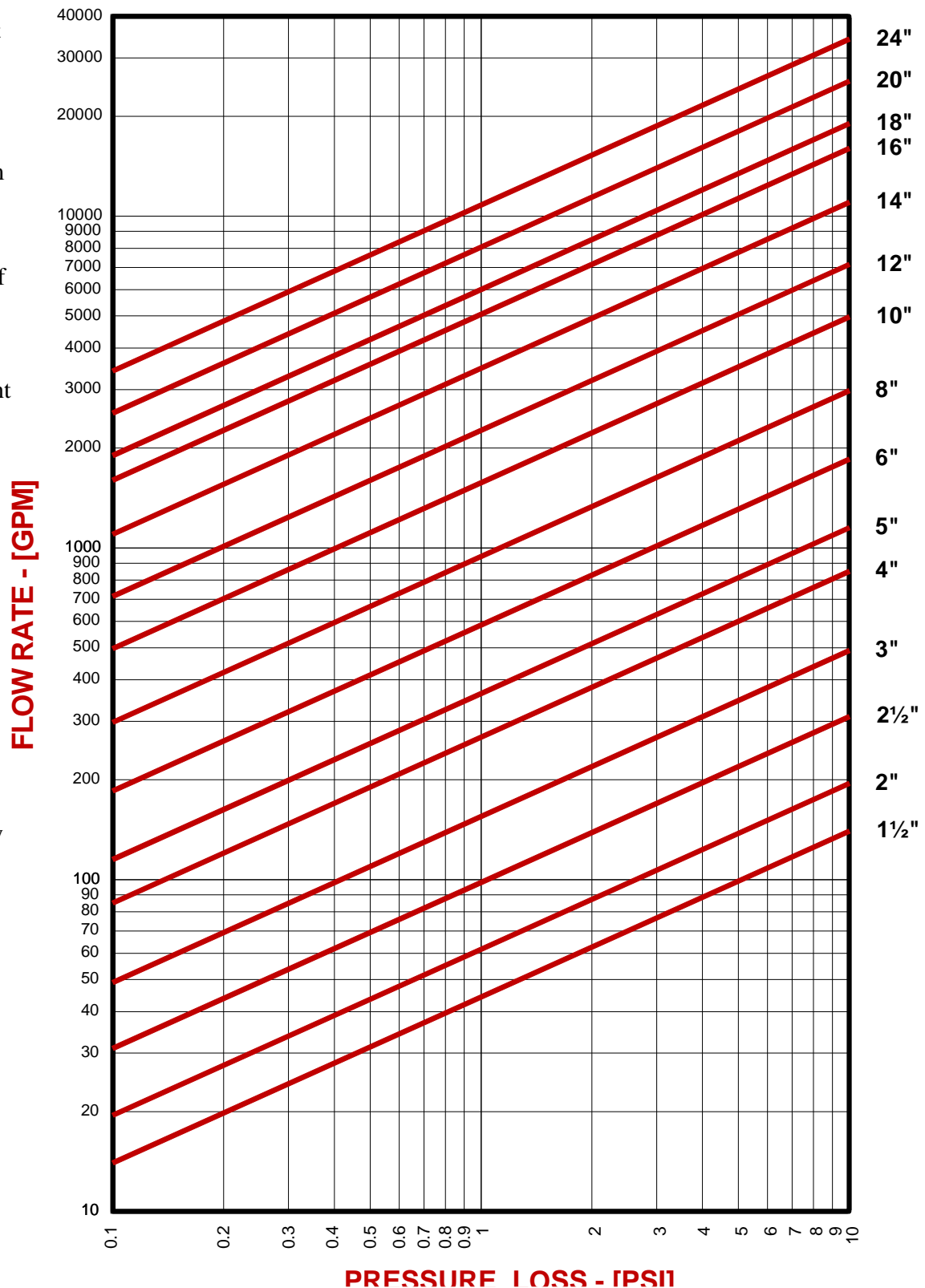
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

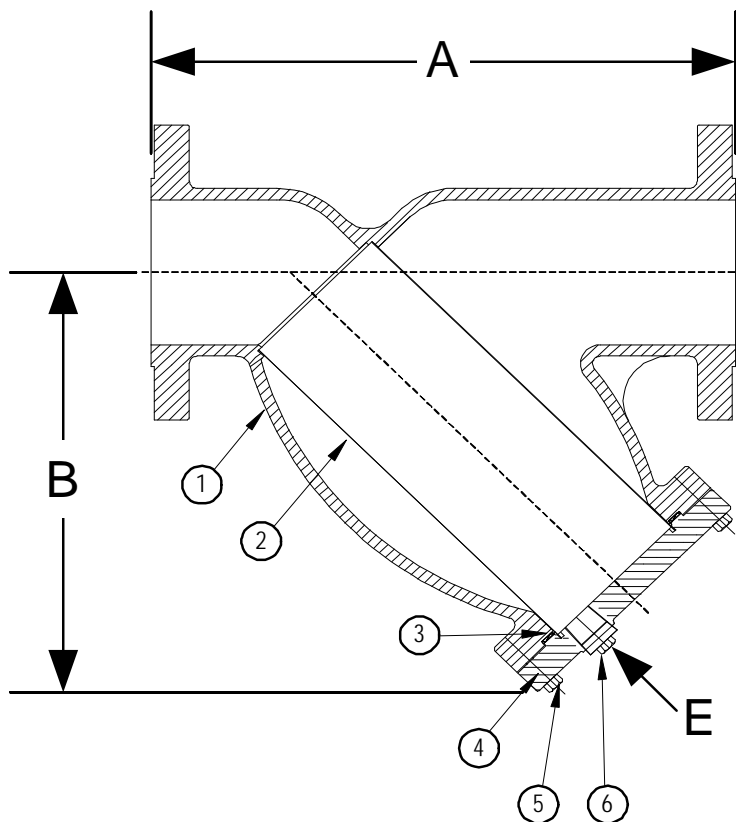
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380C9



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-C9045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-C9045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-C9045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-C9045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-C9045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-C9045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-C9045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-C9045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-C9045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-C9045P34-GB	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-C9045P34-GB	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-C9045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-C9062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90380C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SA-C9

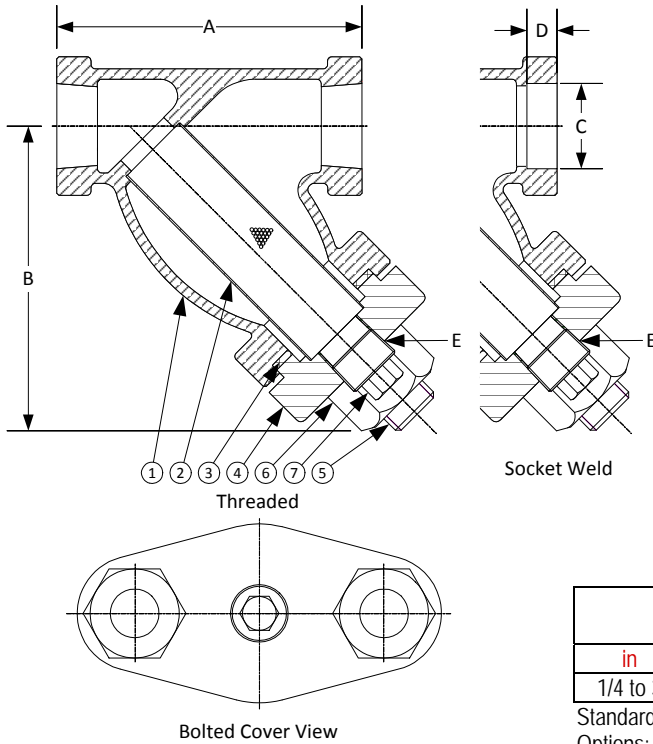
SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF



Style SB-7BCC6

**Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover**

Cast Chrome-Moly (ASTM A 217, Grade WC6)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	CARBON STEEL (ASTM A 105)

*Optional Body Materials Available in LCB and WC9.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

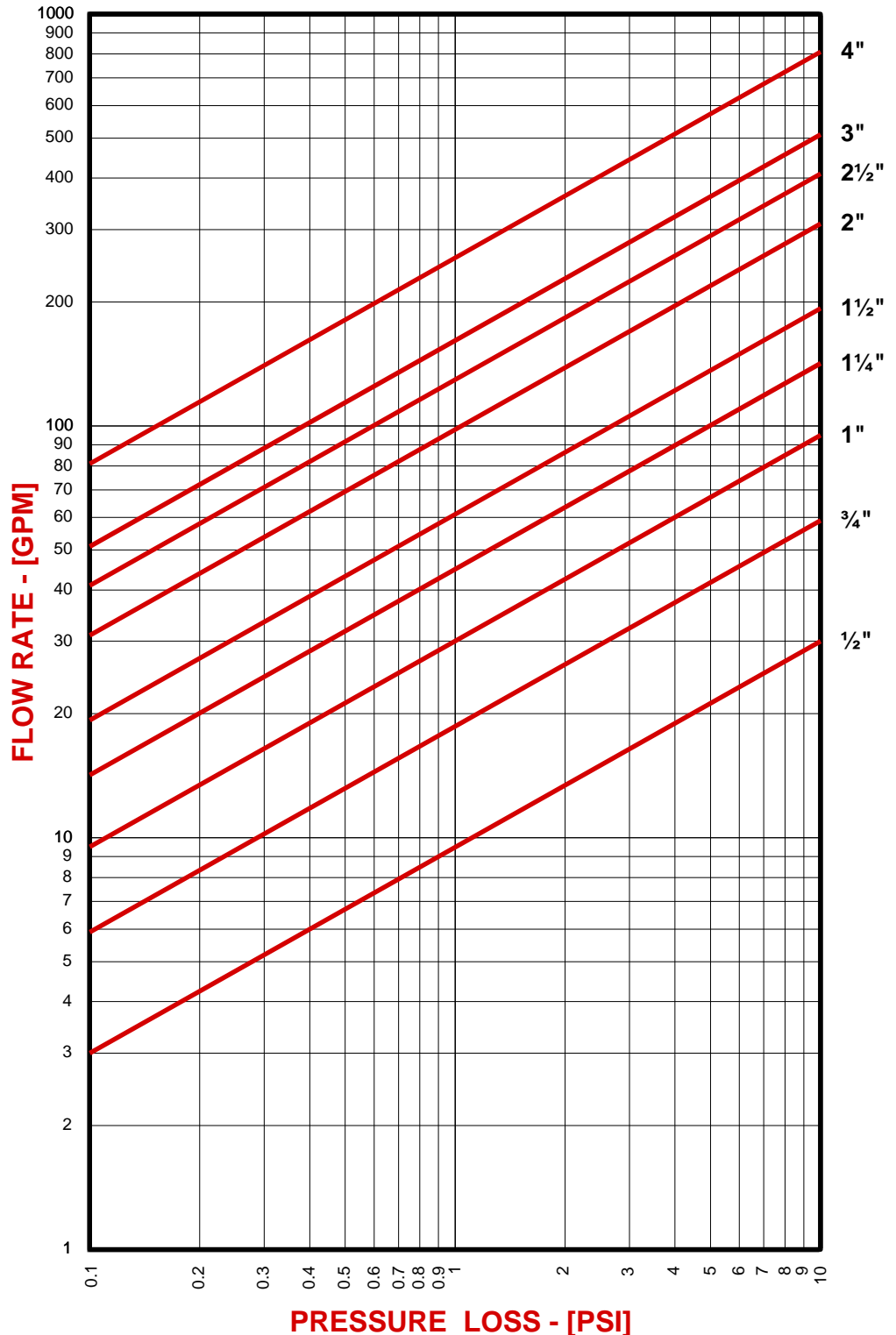
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

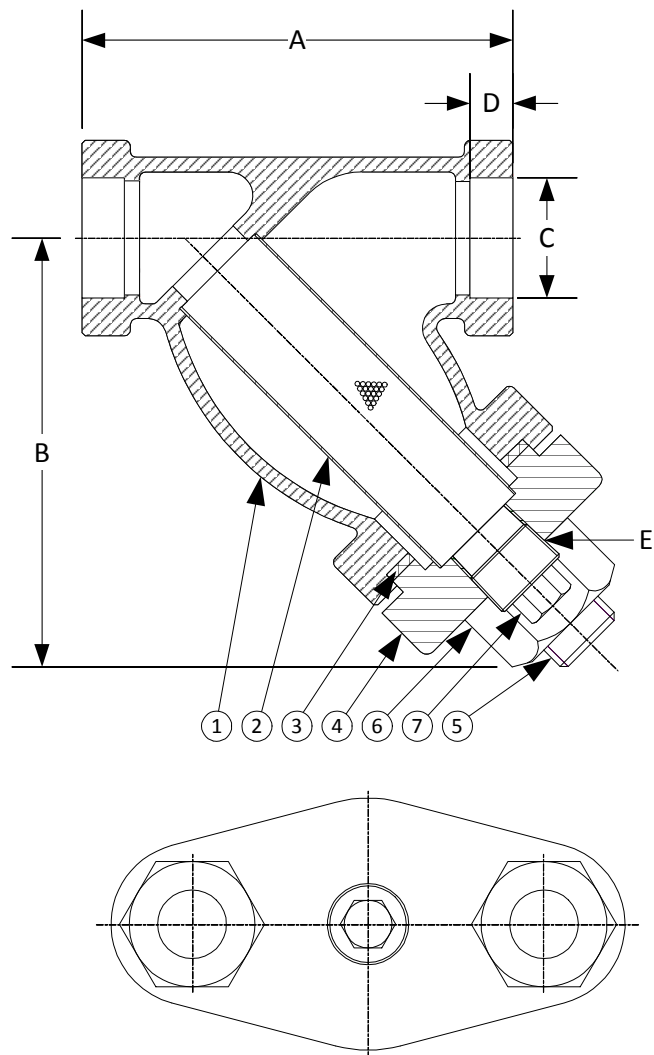
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	STAINLESS STEEL (304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-C6045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-C6045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-C6045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-C6045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-C6045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-C6045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-C6045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-C6045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-C6045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-C6045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SB-7BCW6

SCALE: NTS

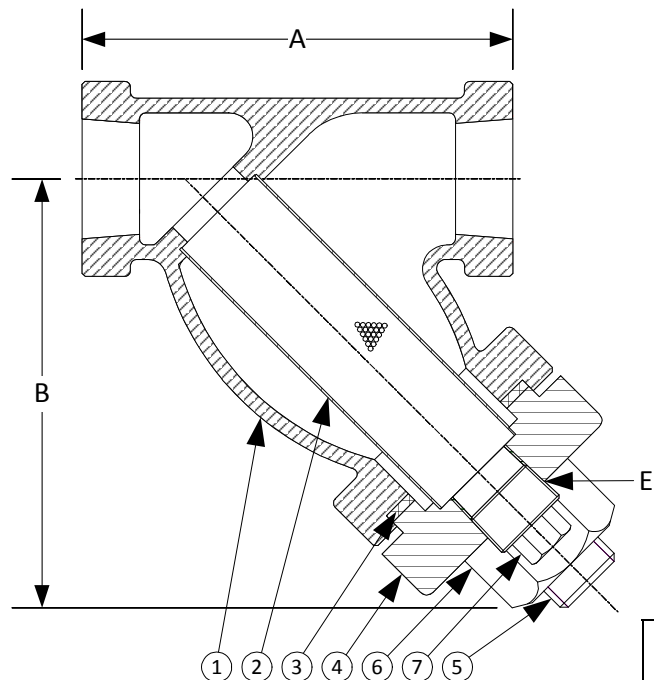
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly

REQ. ---

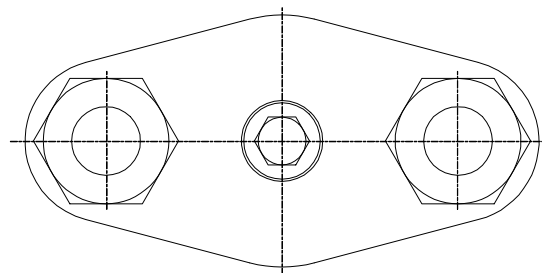
DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	STAINLESS STEEL (304)



Product Number [†]	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-C6045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-C6045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-C6045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-C6045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-C6045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-C6045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-C6045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-C6045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-C6045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-C6045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SB-7BCC6

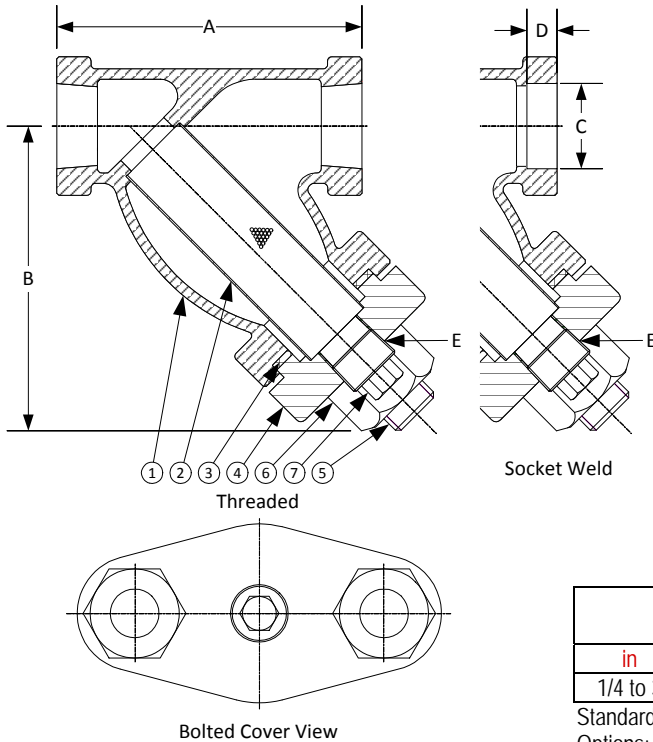
SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Chrome-Moly

REQ. ---

DR. BY DSF



Style SB-7BCC9

**Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover**

Cast Chrome-Moly (ASTM A 217, Grade WC9)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	CARBON STEEL (ASTM A 105)

*Optional Body Materials Available in LCB and WC6.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

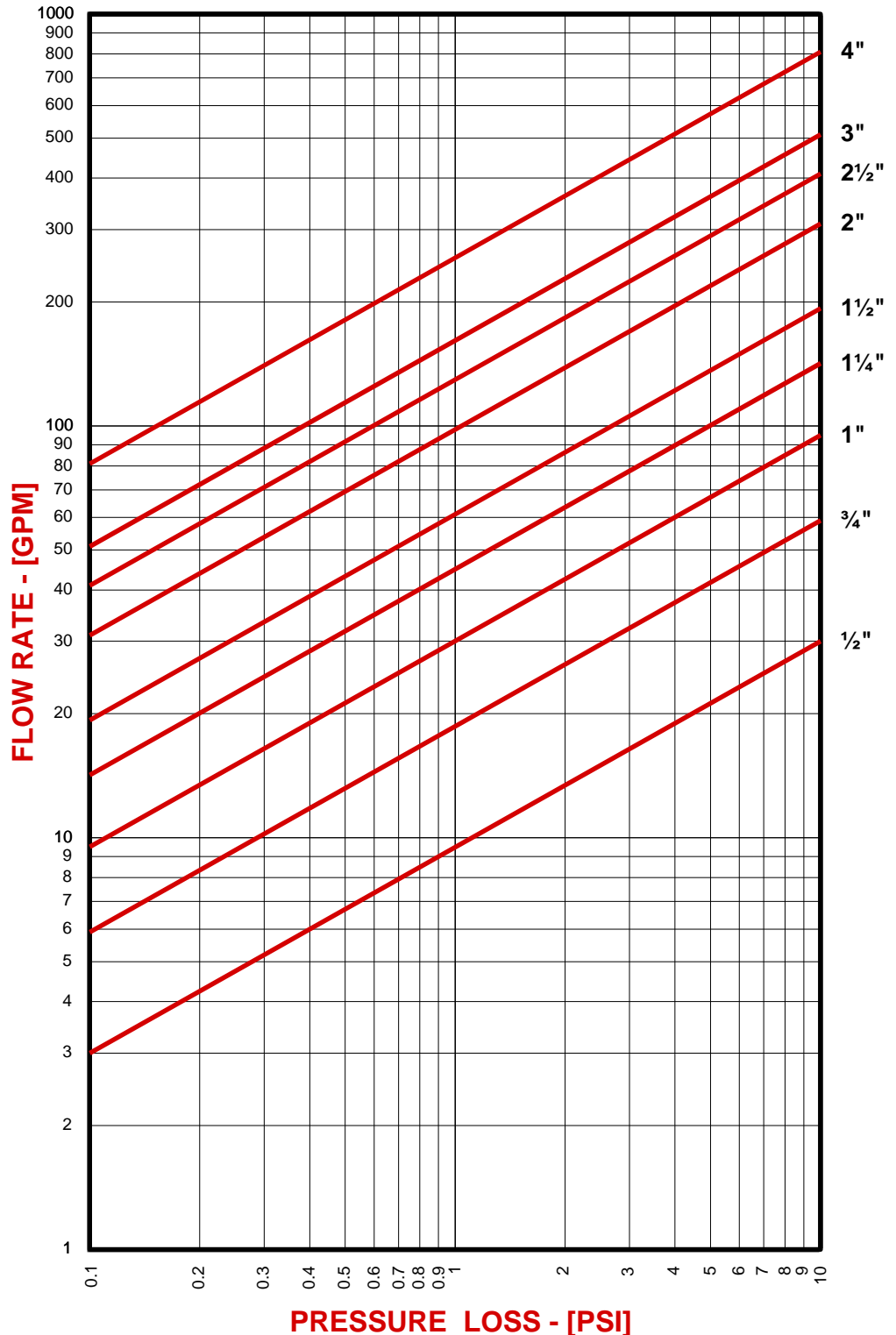
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

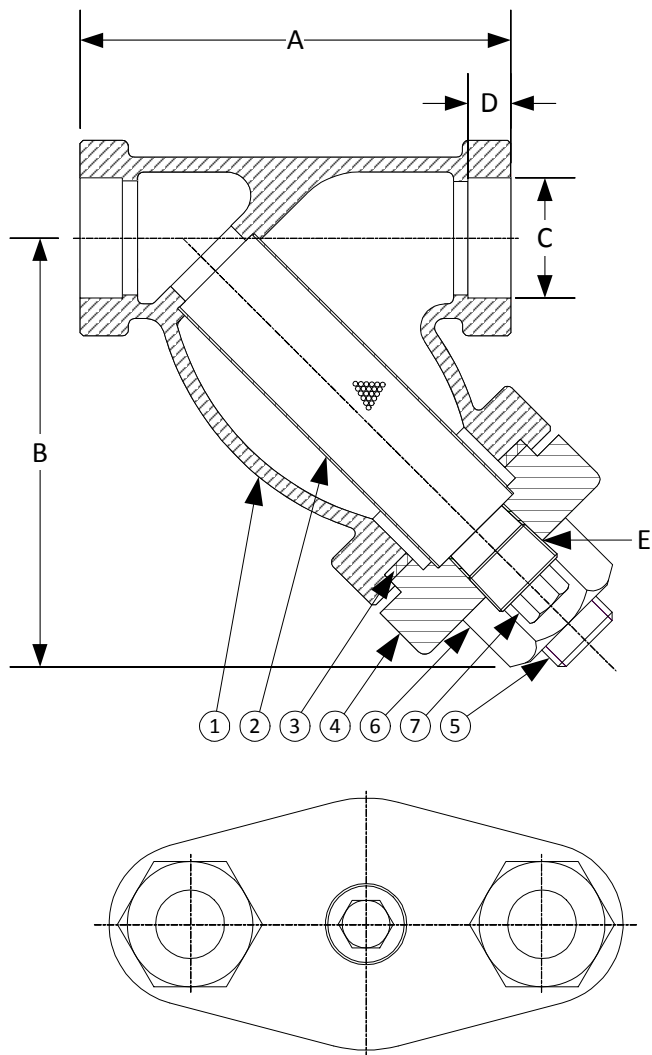
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	STAINLESS STEEL (304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-C9045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-C9045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-C9045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-C9045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-C9045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-C9045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-C9045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-C9045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-C9045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-C9045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SB-7BCC9

SCALE: NTS

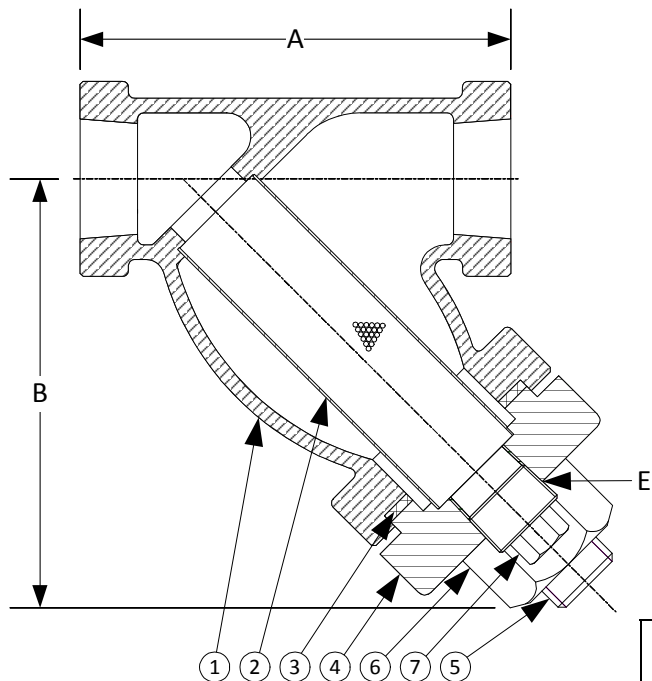
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-C9045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-C9045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-C9045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-C9045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-C9045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-C9045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-C9045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-C9045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-C9045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-C9045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SB-7BCC9

SCALE: NTS

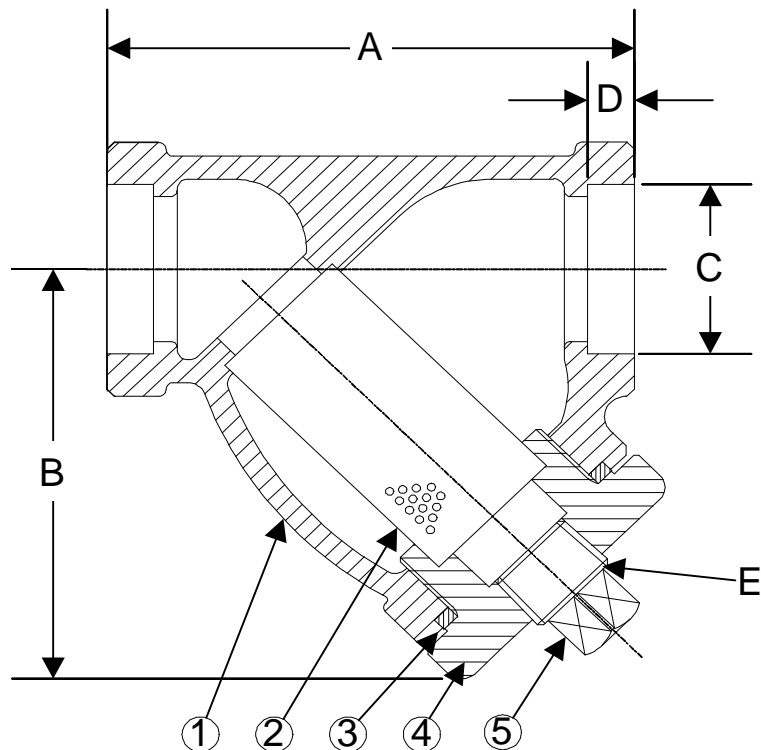
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017C6



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-C6045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-C6045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-C6045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-C6045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-C6045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-C6045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-C6045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-C6045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-C6045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-C6045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017C6

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SB-7C6

SCALE: NTS

DATE: 07/01/2011

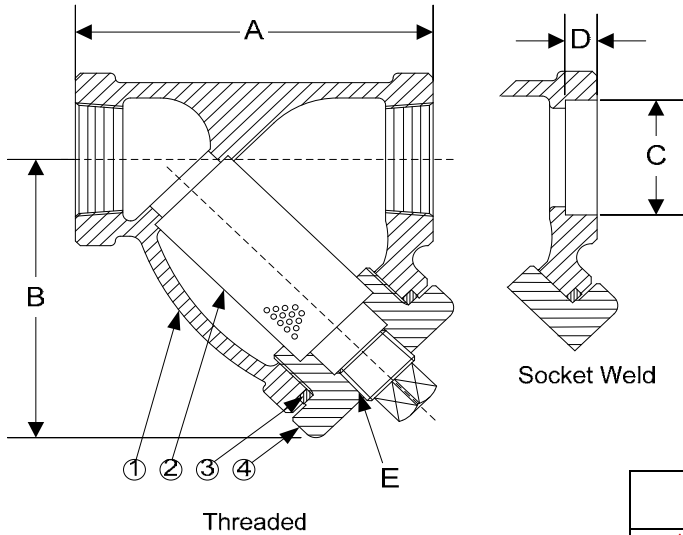
MAT'L: Cast Chrome-Moly WC6

REQ. ---

DR. BY DSF

Style SB-7C6

**Y-Strainer, 600 lb. Threaded & Socket Weld
Cast Chrome-Moly (ASTM A 217, Grade WC6)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Inconel, Hastelloy C276, Alloy 20, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

**Click Here
For Your Free Quote**

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

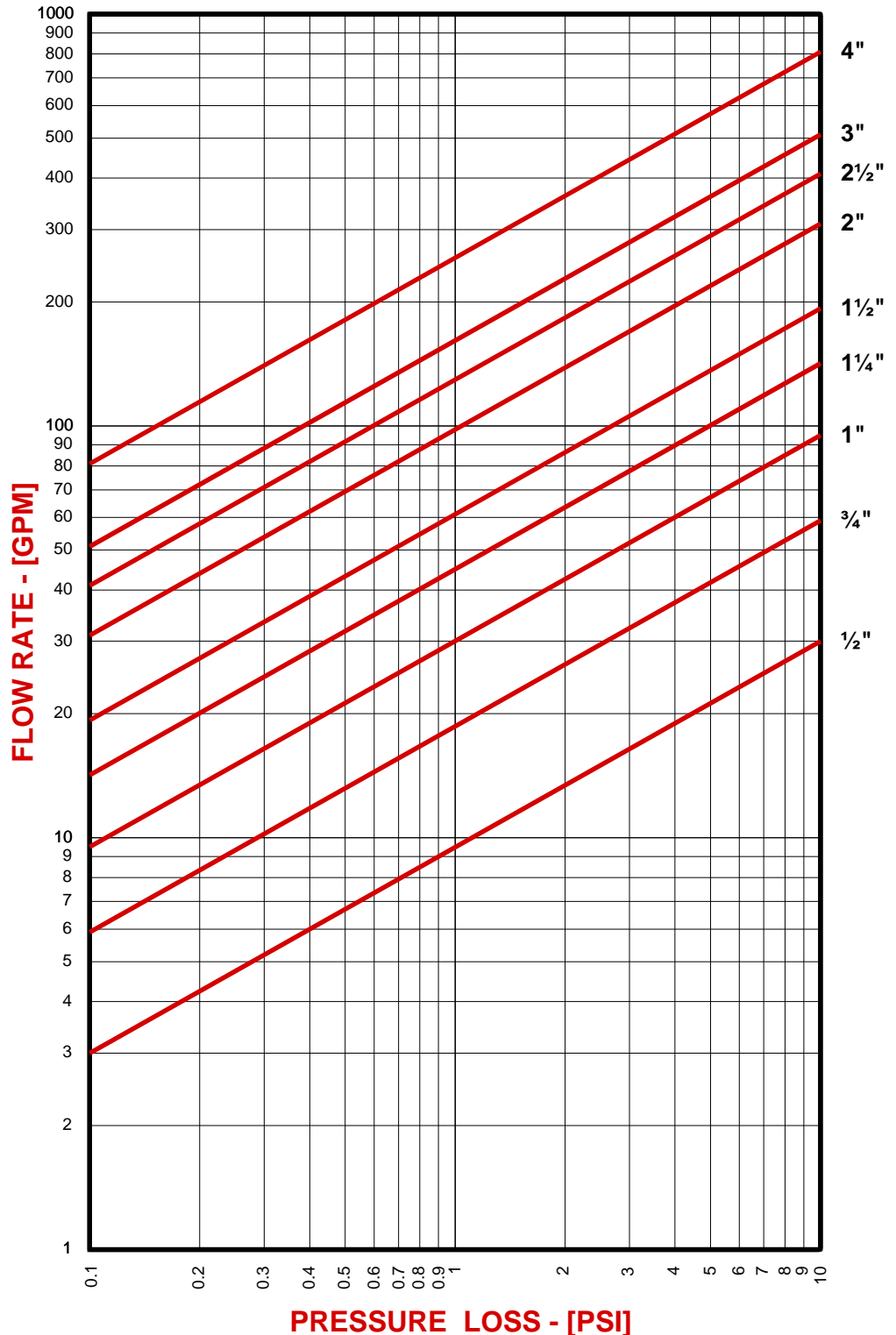
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

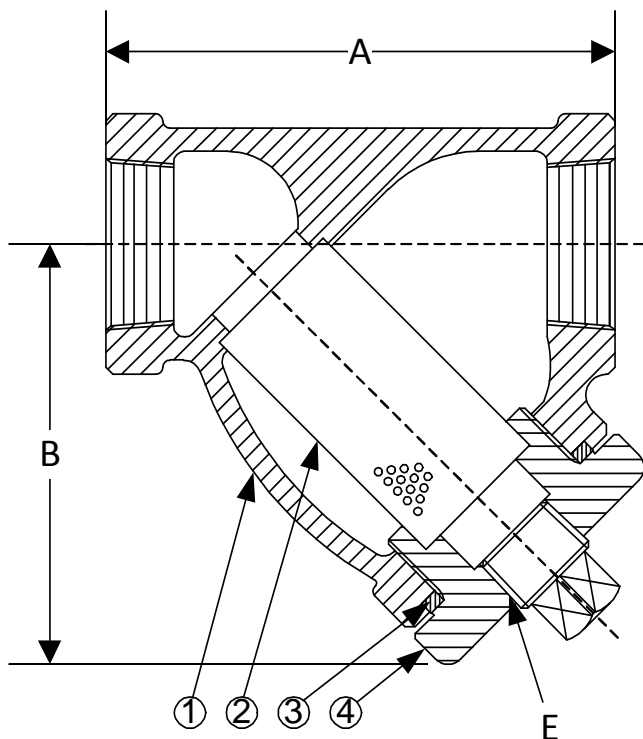
For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015C6

BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F



PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-C6045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-C6045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-C6045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-C6045P34-GT	3/4	3-11/16	3	3/8	5
15THY-C6045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-C6045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-C6045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-C6045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-C6045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-C6045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015C6

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SB-7C6

SCALE: NTS

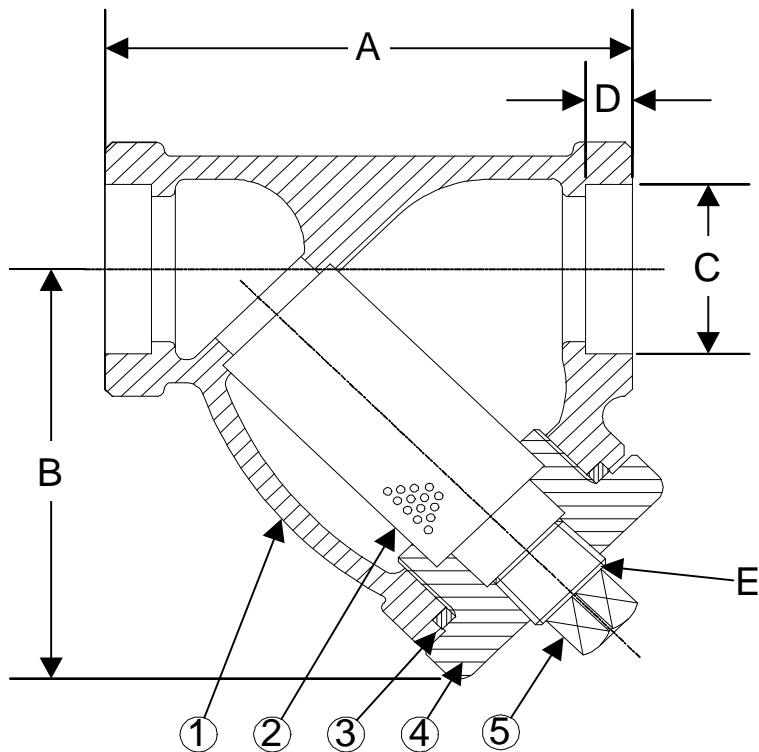
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC6

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017C9



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-C9045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-C9045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-C9045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-C9045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-C9045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-C9045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-C9045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-C9045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-C9045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-C9045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017C9

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SB-7C9

SCALE: NTS

DATE: 07/01/2011

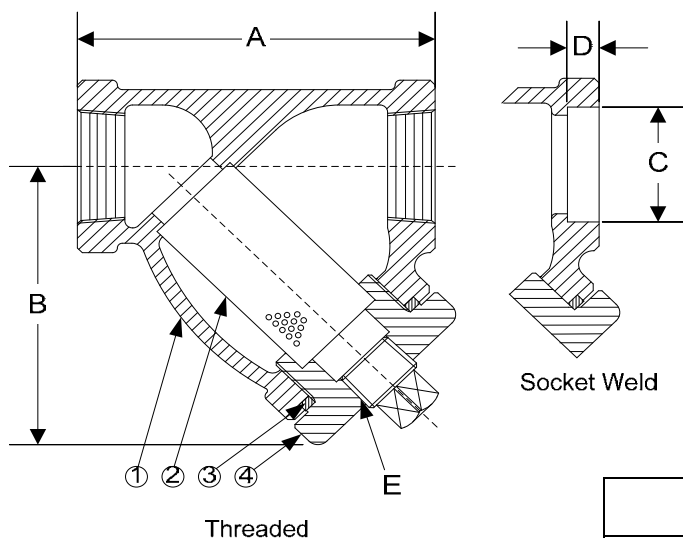
MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF

Style SB-7C9

**Y-Strainer, 600 lb. Threaded & Socket Weld
Cast Chrome-Moly (ASTM A 217, Grade WC9)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Inconel, Hastelloy C276, Alloy 20, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

**Click Here
For Your Free Quote**

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

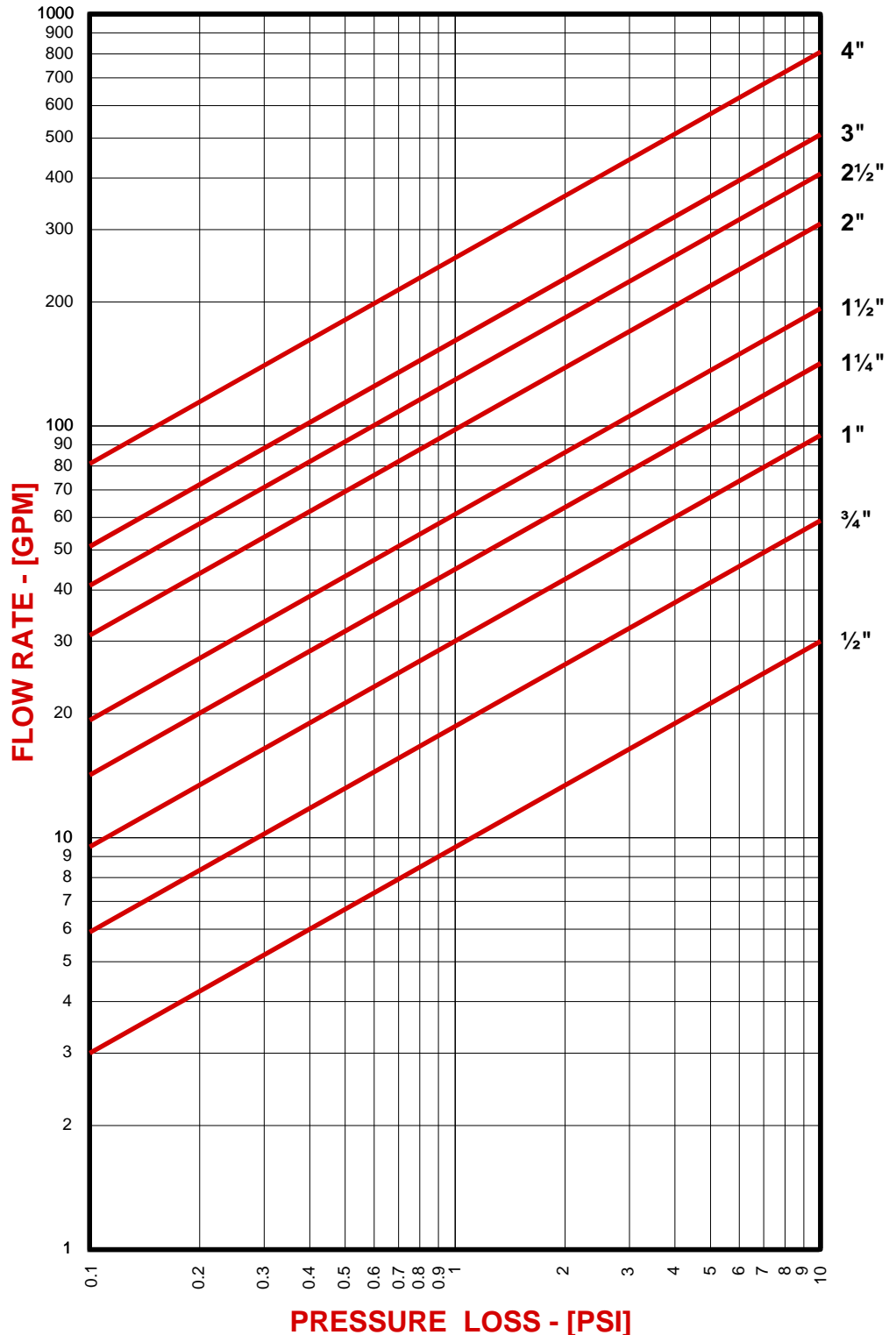
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

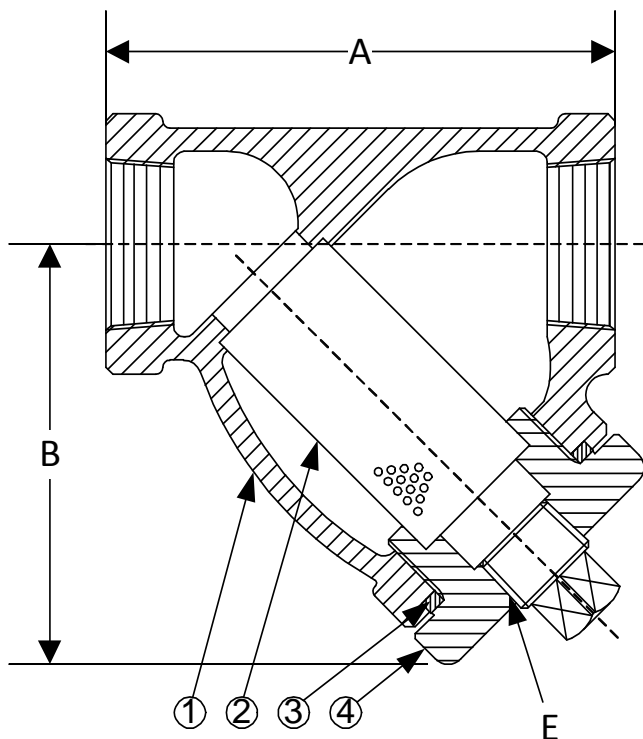
For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015C9

BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F



PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-C9045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-C9045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-C9045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-C9045P34-GT	3/4	3-11/16	3	3/8	5
15THY-C9045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-C9045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-C9045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-C9045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-C9045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-C9045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015C9

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SB-7C9

SCALE: NTS

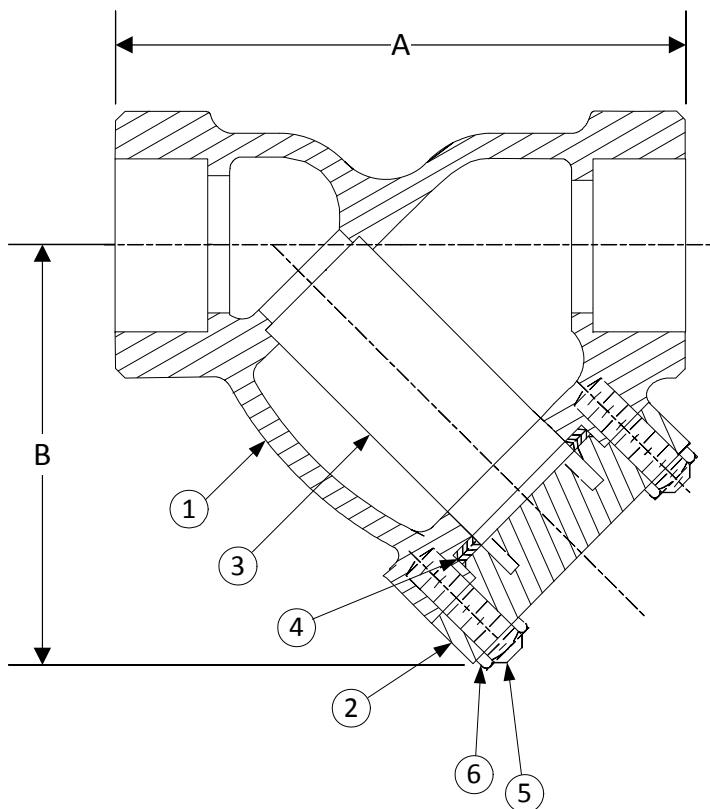
DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470C6



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-C6033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-C6033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-C6033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-C6033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-C6033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-C6033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-C6033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-C6033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470C6

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SB-C6

SCALE: NTS

DATE: 11/30/2016

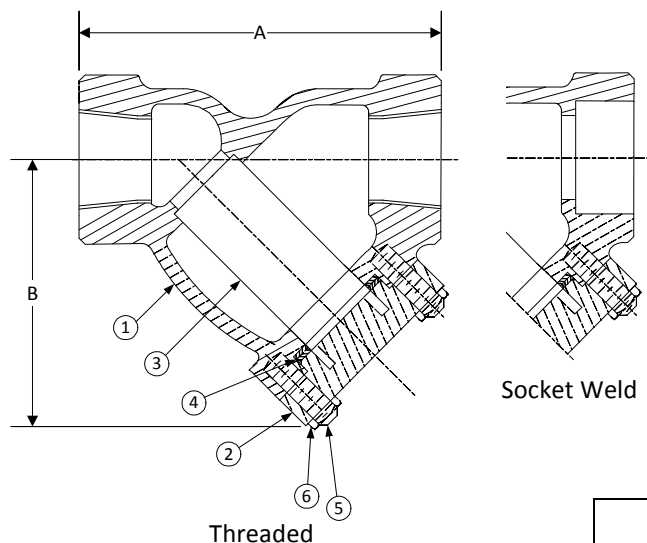
MAT'L: Cast Chrome-Moly WC6

REQ. ---

DR. BY DSF

Style SB-C6

**Y-Type, 1500 lb. Threaded & Socket Weld
Cast Chrome-Moly (ASTM A 217, Grade WC6)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

[Click Here
For Your Free Quote](#)

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

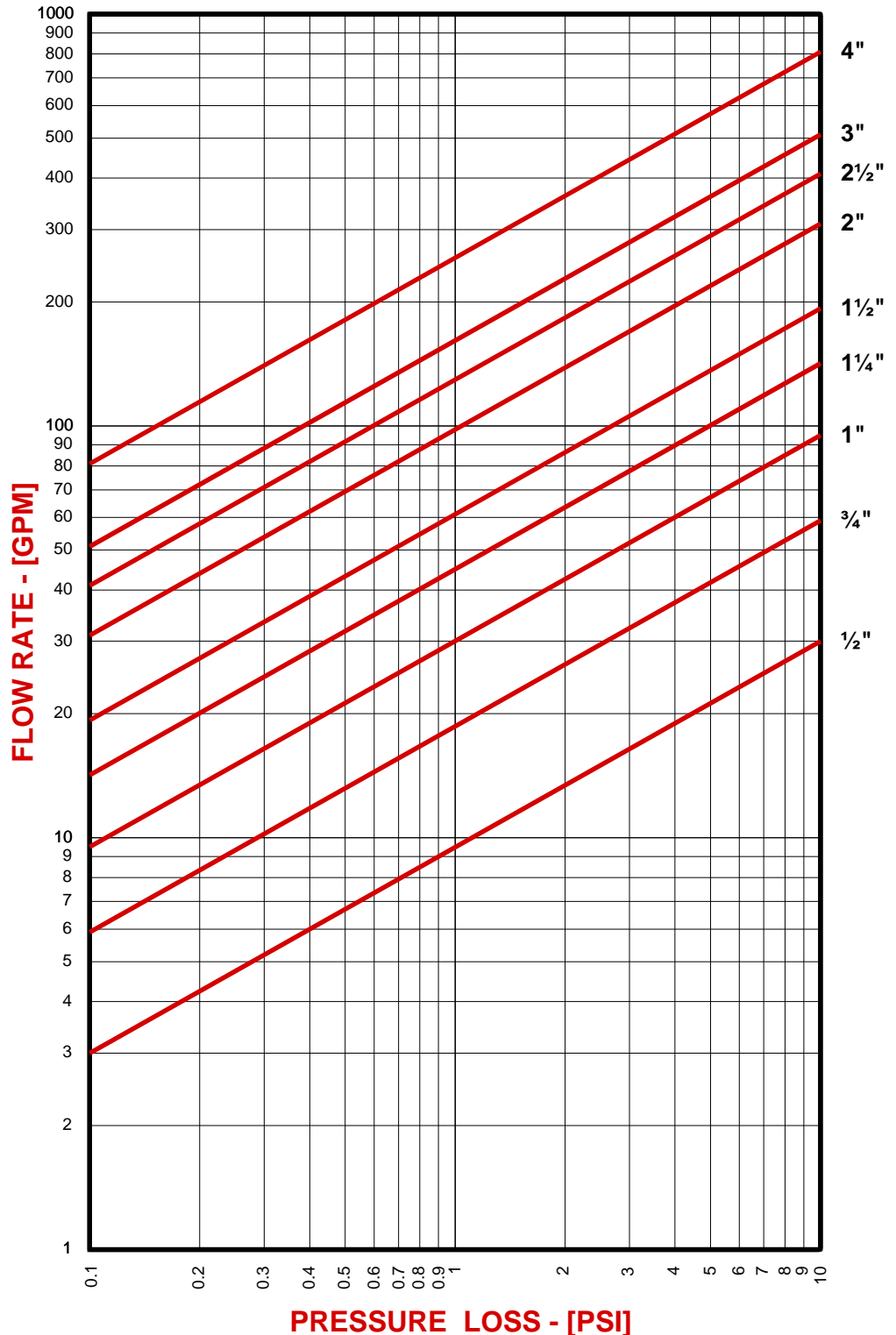
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

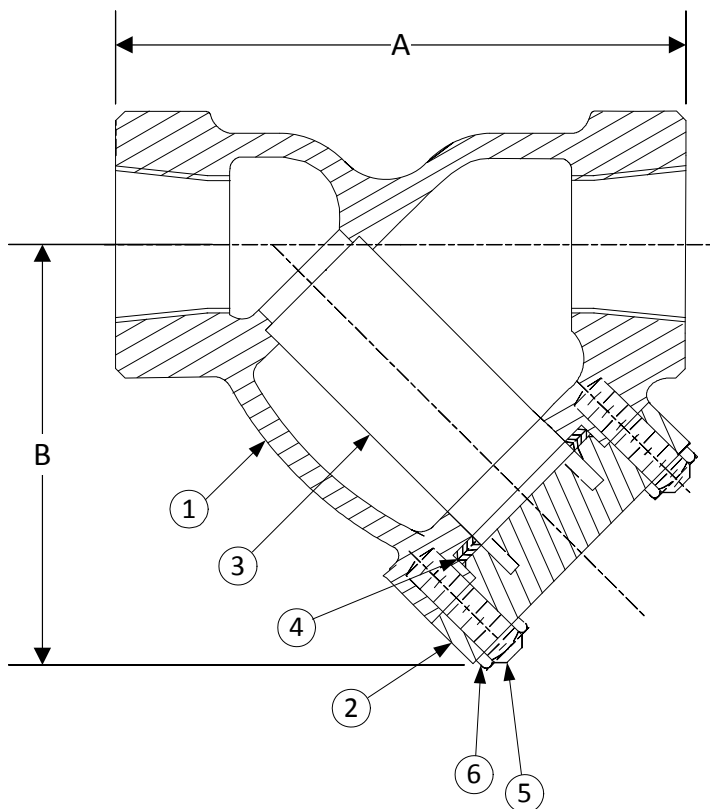
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450C6



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
2	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC6)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-C6033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-C6033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-C6033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-C6033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-C6033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-C6033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-C6033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-C6033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90450C6

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SB-C6

SCALE: NTS

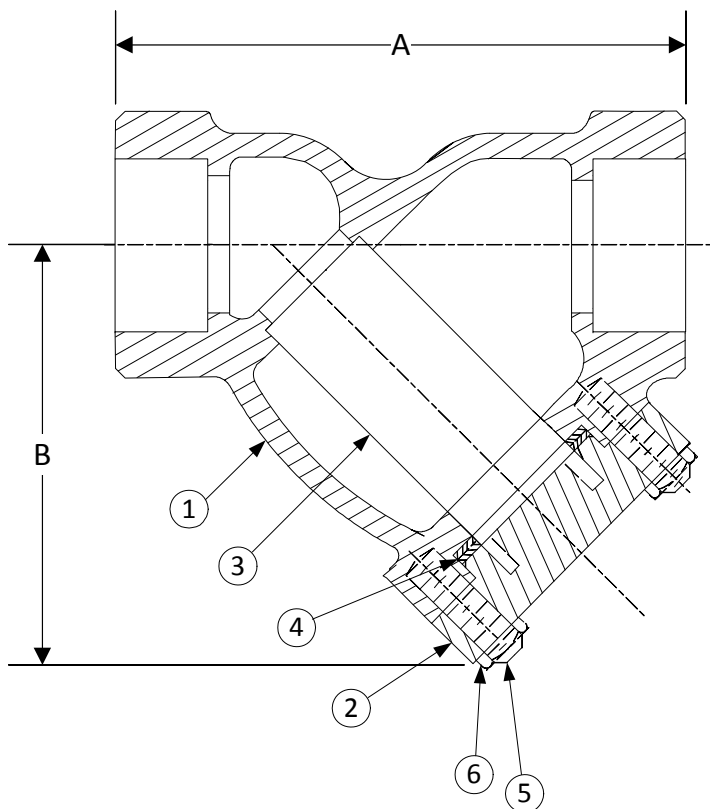
DATE: 11/30/2016

MAT'L: Cast Chrome-Moly WC6

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470C9



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-C9033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-C9033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-C9033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-C9033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-C9033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-C9033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-C9033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-C9033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SB-C9

SCALE: NTS

DATE: 11/30/2016

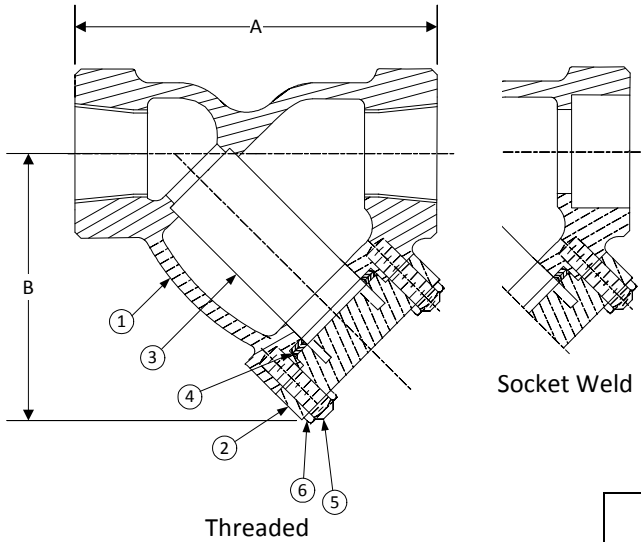
MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF

Style SB-C9

Y-Type, 1500 lb. Threaded & Socket Weld
Cast Chrome-Moly (ASTM A 217, Grade WC9)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

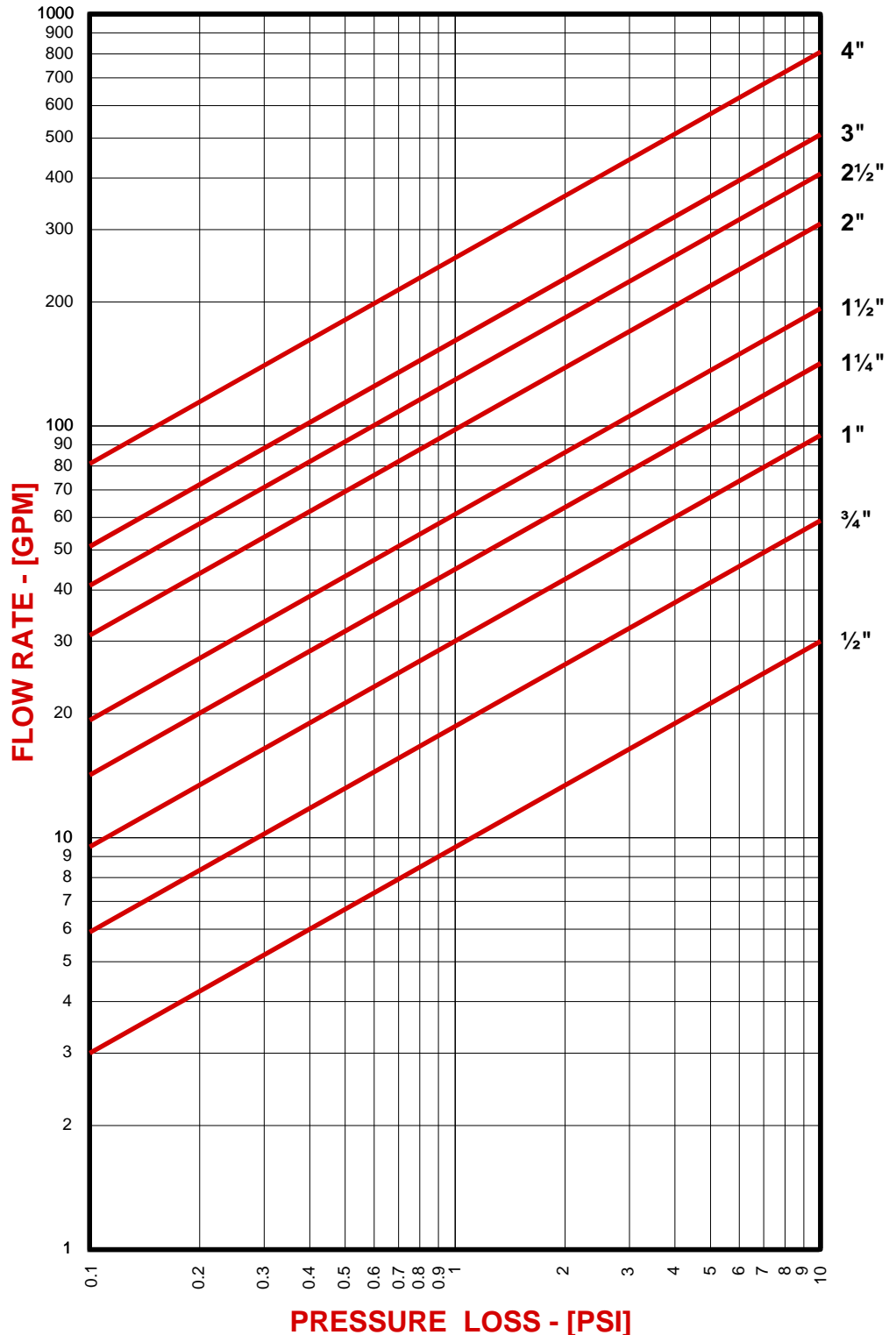
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

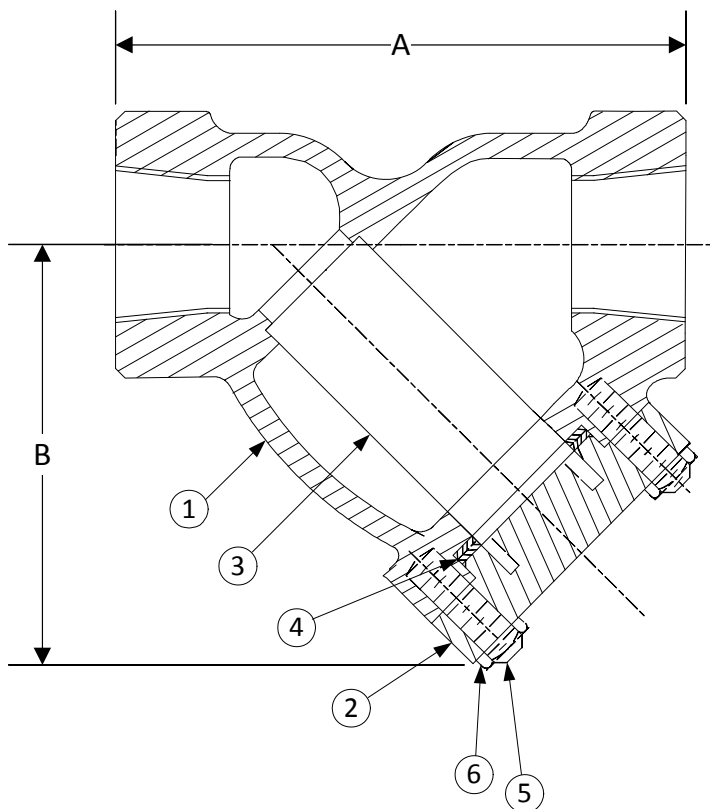
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450C9



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-C9033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-C9033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-C9033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-C9033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-C9033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-C9033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-C9033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-C9033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90450C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SB-C9

SCALE: NTS

DATE: 11/30/2016

MAT'L: Cast Chrome-Moly WC9

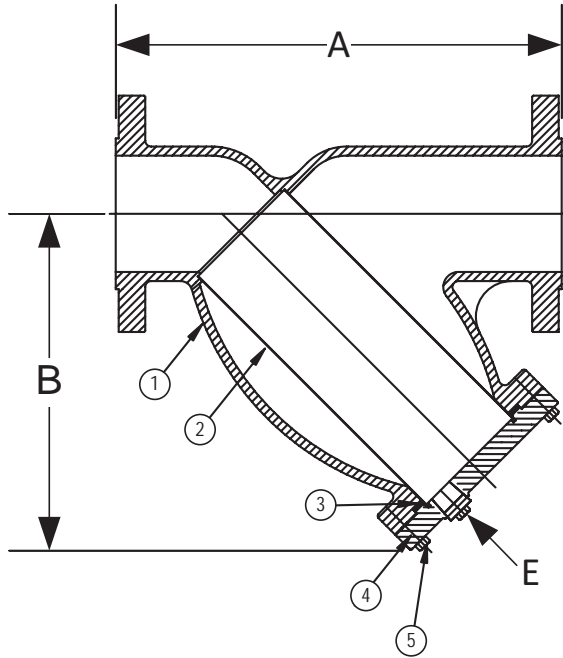
REQ. ---

DR. BY DSF

Style SSA

Y-Strainer, 600 lb. Flanged

Stainless Steel (ASTM A 351, Grade CF8M)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Stainless Steel (ASTM A 351, Grade CF8M)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Stainless Steel (ASTM A 351, Grade CF8M)
5	Hex Head Cap Screw	Stainless Steel (ASTM A 193, Grade B8)

Optional: Blow-off Plug, Stainless Steel (304).

*Optional Body Materials Available in 304 and 400 SS, Alloy 20, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN	FOR LIQUID		OPEN
in	mm		in	mm	AREA	in	mm	AREA
2 to 4	50 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	15	6.80
3/4	20	8-3/8	213	3-3/4	95	1/2	15	20	9.07
1	25	8-3/8	213	3-3/4	95	1/2	15	20	9.07
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	27	12.25
1-1/2	40	10-1/4	360	5-1/2	140	1/2	15	27	12.25
2	50	11	279	7	178	1/2	15	31	13.83
2-1/2	65	12	305	8-1/4	210	1	25	49	21.92
3	80	13-1/2	343	9-1/4	235	1	25	63	28.17
4	100	18	457	12-1/2	318	1-1/2	40	127	57.53
6	150	25-5/8	651	20	508	2	50	339	153.51
8	200	31-3/4	806	24	610	2	50	748	338.84
10	250	37-3/4	959	28-1/2	724	2	50	1213	550.00
12	300	45-1/2	1156	34-1/2	876	2	50	1511	685.00

Larger sizes available upon request.

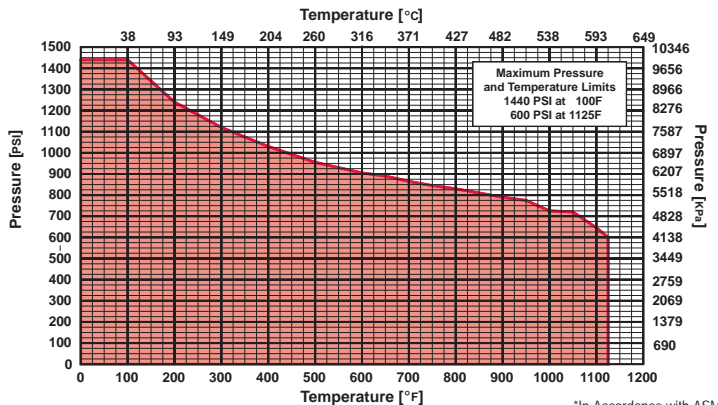
¹This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA					
Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	--	1-1/2"	--	4"	151.49
3/4"	--	2"	44.17	6"	416.73
1"	--	2-1/2"	64.14	8"	630.23
1-1/4"	--	3"	77.63	10"	894.52
12"	1313.88				

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Flanged Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.5

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Flanged “Y” Pattern Strainers (Styles A, BA, BA-7, SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8”.

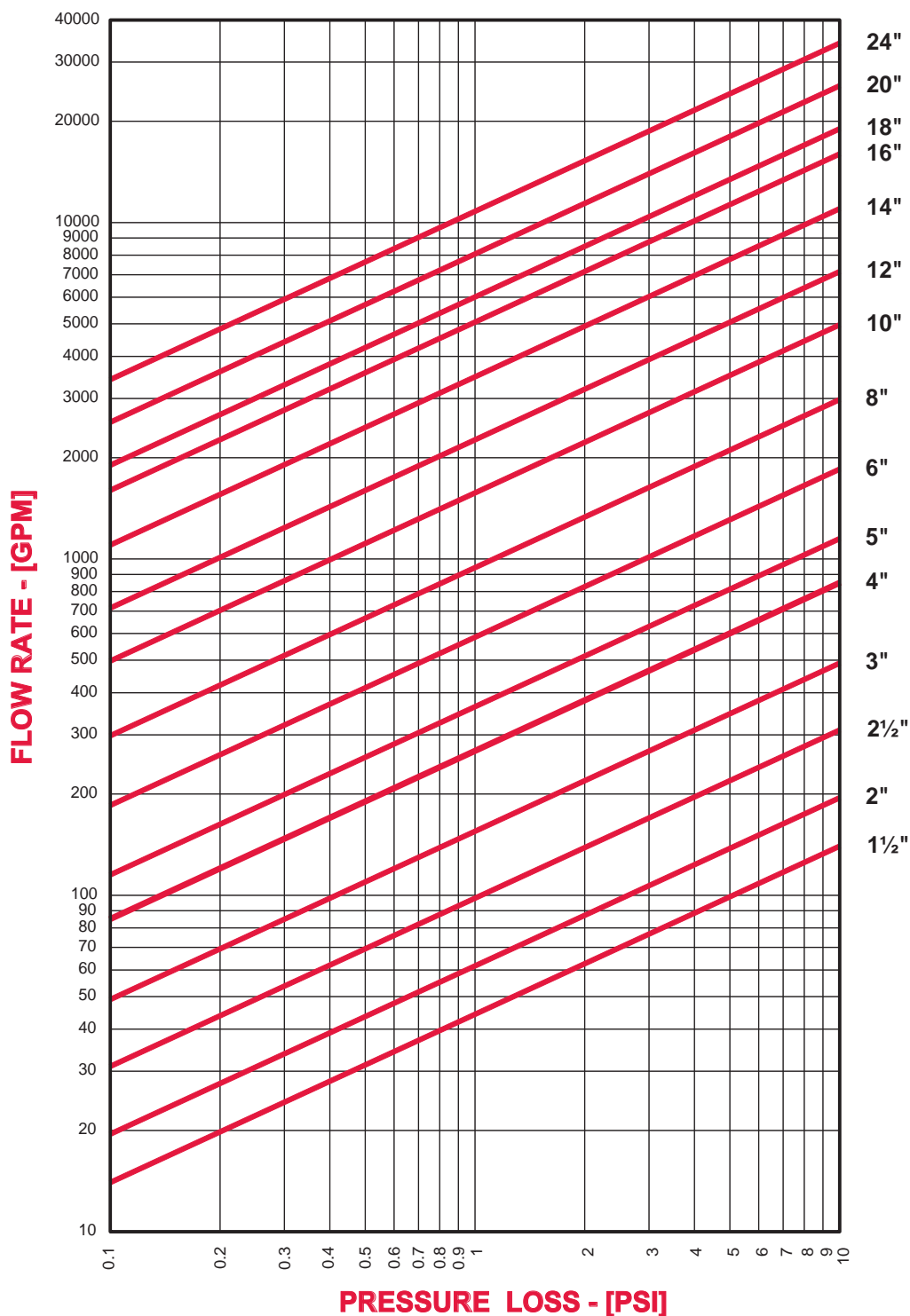
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

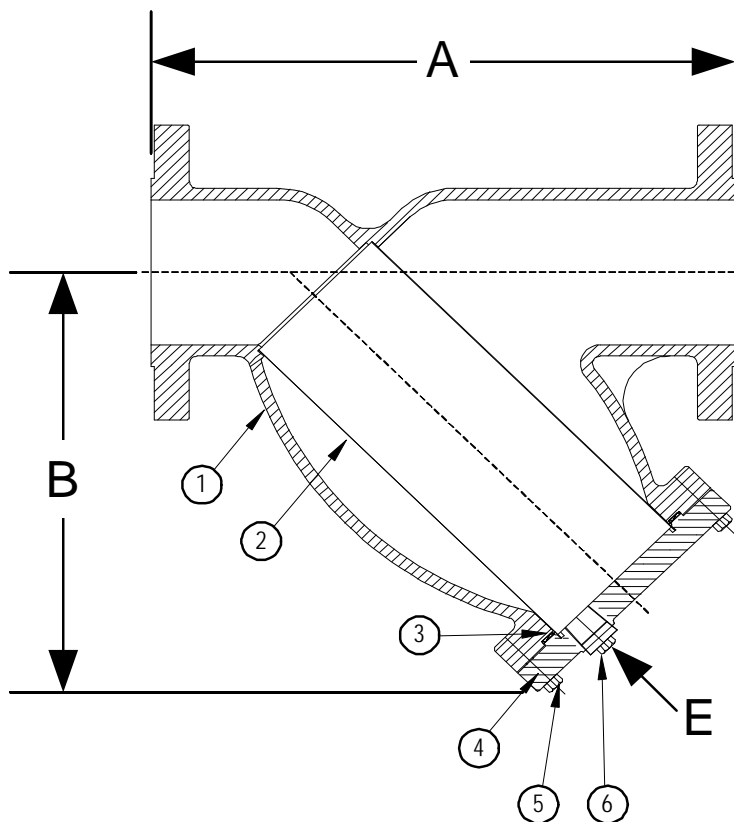
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380C9



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST CHROME-MOLY (ASTM A 217, GRADE WC9)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-C9045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-C9045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-C9045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-C9045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-C9045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-C9045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-C9045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-C9045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-C9045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-C9045P34-GB	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-C9045P34-GB	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-C9045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-C9062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90380C9

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SA-C9

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Chrome-Moly WC9

REQ. ---

DR. BY DSF

Style SA

Y-Strainer

Carbon Steel (ASTM A 216, Grade WCB)

600 lb. Flanged



Cast Carbon Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SA strainers are constructed from rugged carbon steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style SA strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style SA strainers have cap screws and can be furnished with a steel blow-off plug upon request.

Blind covers are available upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

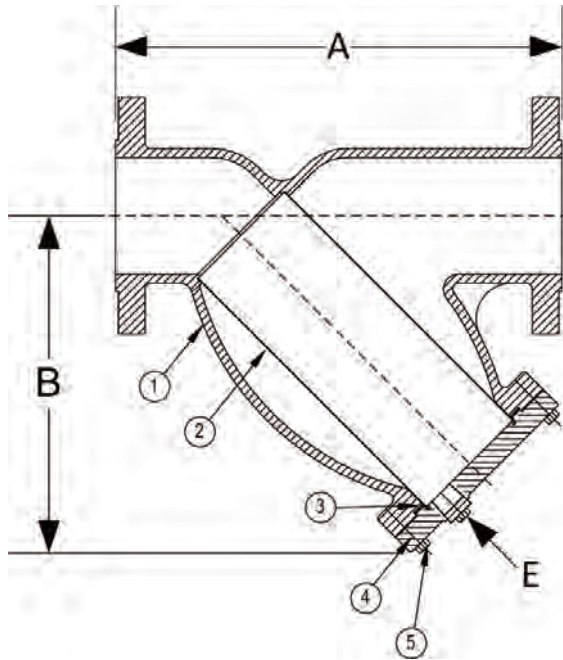
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
600# R.F. & D. (FLANGE)	STEAM	600 PSI @ 838°F	4138 KPa @ 448°C
	W.O.G.	1480 PSI @ 100°F	10208 KPa @ 38°C

Style SA

Y-Strainer, 600 lb. Flanged

Carbon Steel (ASTM A 216, Grade WCB)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Carbon Steel (ASTM A 216, Grade WCB)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Carbon Steel (ASTM A 216, Grade WCB)
5	Hex Head Cap Screw	Carbon Steel (ASTM A 193, Grade B7)

Optional: Blow-off Plug, Carbon Steel (ASTM A 105).

*Optional Body Materials Available in LCB, WC6, and WC9.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION				FOR LIQUID	OPEN AREA
in	mm		FOR STEAM	in	mm	OPEN AREA	in	mm
2 to 4	50 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E		lbs	kgs
in	mm	in	mm	in	mm	in	mm		
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	13	6
1	25	8-3/8	213	3-3/4	95	1/2	15	13	6
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	360	5-1/2	140	1/2	15	27	12
2	50	11	279	7	178	1/2	15	40	18
2-1/2	65	12	305	8-1/4	210	1	25	60	27
3	80	13-1/2	343	9-1/4	235	1	25	78	35
4	100	18	457	12-1/2	318	1-1/2	40	160	73
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	670	304
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes available upon request.

†This table reflects only the nearest metric equivalents.

[Click Here](#)
For Your Free Quote

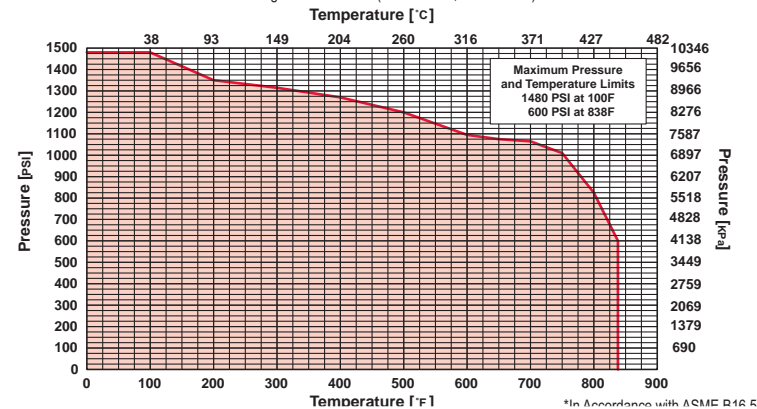
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	--	1-1/2"	--	4"	151.49	12"	1313.88
3/4"	--	2"	44.17	6"	416.73		
1"	--	2-1/2"	64.14	8"	630.23		
1-1/4"	--	3"	77.63	10"	894.52		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Flanged Carbon Steel (ASTM A 216, Grade WCB)





PRESSURE DROP CHART

Flanged “Y” Pattern Strainers (Styles A, BA, BA-7, SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8”.

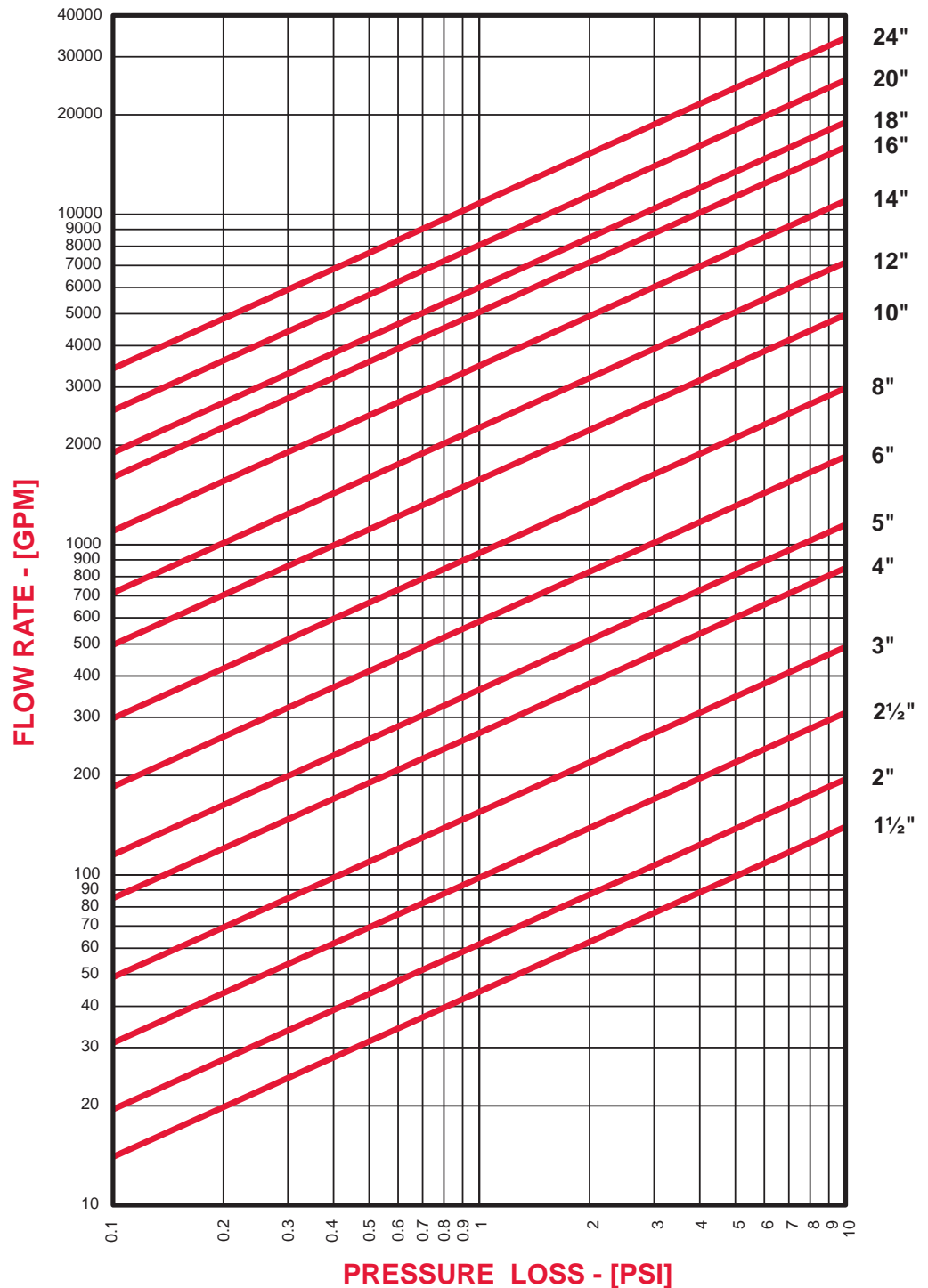
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

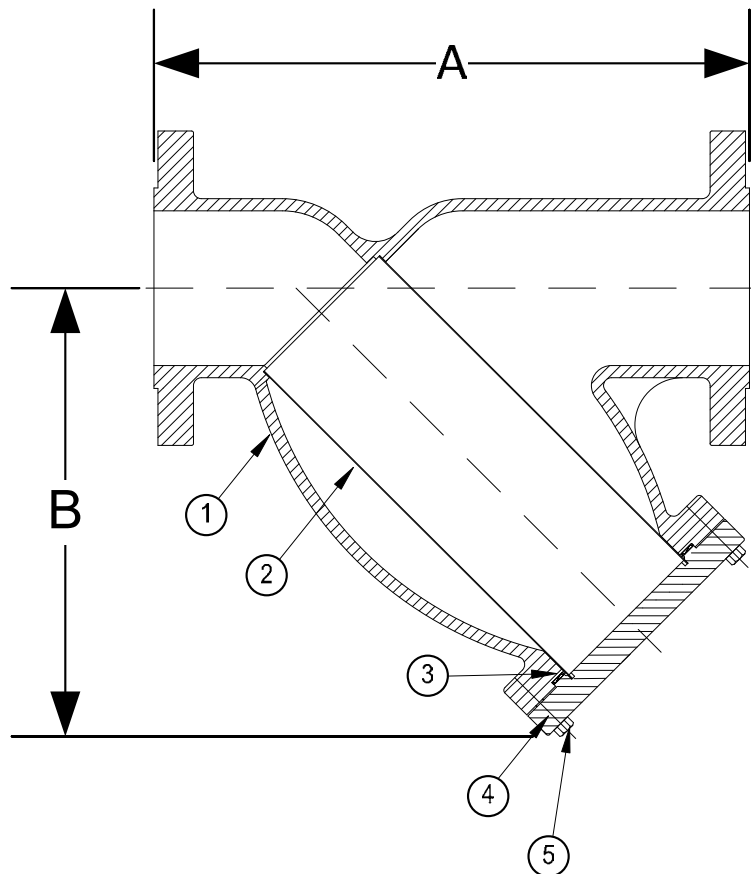
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90560



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
1500# R.F. & D. (EX. HEAVY FLANGE)	STEAM	2055 PSI @ 800°F
	W.O.G.	3705 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number ¹	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/27RFY-CS033P34-GB	1/2	8-1/8	4-1/4	20
3/47RFY-CS033P34-GB	3/4	9-1/16	4-3/4	30
17RFY-CS033P34-GB	1	10-11/16	5-3/4	52
11/47RFY-CS033P34-GB	1-1/4	12	6-3/4	65
11/27RFY-CS033P34-GB	1-1/2	12	6-3/4	65
27RFY-CS033P34-GB	2	13-15/16	7-1/2	93
21/27RFY-CS033P34-GB	2-1/2	17-1/2	10-3/4	185
37RFY-CS033P34-GB	3	17-1/2	10-3/4	185
47RFY-CS033P34-GB	4	23-1/4	15	334
67RFY-CS045P34-GB	6	30-5/8	20-1/2	770
87RFY-CS045P34-GB	8	39	26-15/16	1200

¹See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90560

DIMENSIONAL ASSEMBLY

1/2" to 8" 1500# Flg Style SA

PART NO.
7RFY-CS

SCALE: NTS

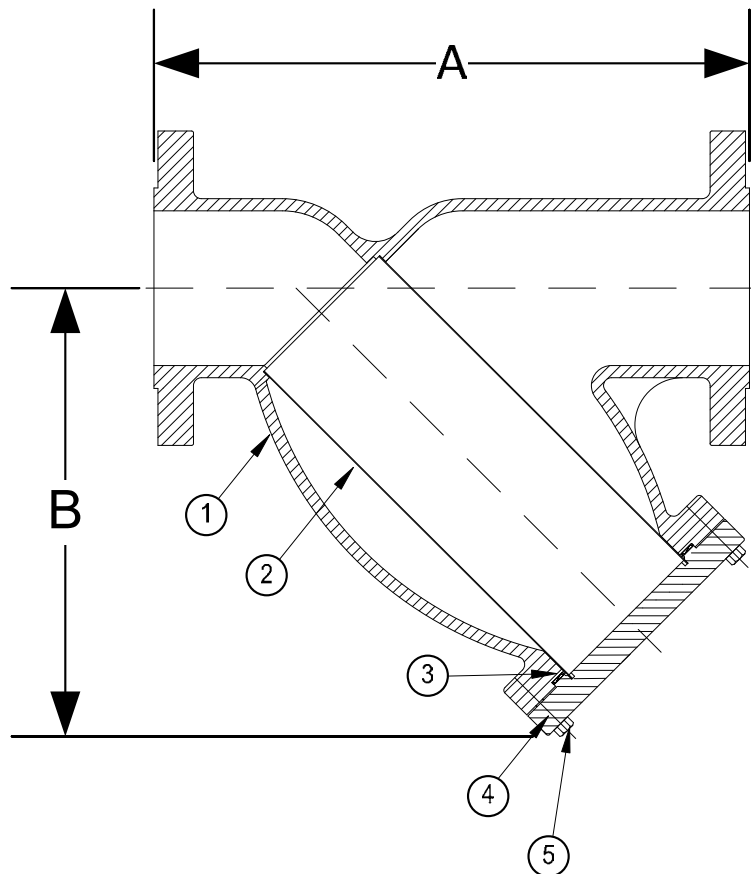
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90640



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
2500# R.F. & D. (EX. HEAVY FLANGE)	STEAM	3430 PSI @ 800°F
	W.O.G.	6170 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number†	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/28RFY-CS033P34-GB	1/2	12-5/8	7-11/16	30
3/48RFY-CS033P34-GB	3/4	12-5/8	7-11/16	40
18RFY-CS033P34-GB	1	12-5/8	7-11/16	65
11/48RFY-CS033P34-GB	1-1/4	16-7/8	10-1/2	140
11/28RFY-CS033P34-GB	1-1/2	16-7/8	10-1/2	140
28RFY-CS033P34-GB	2	18-15/16	12-1/2	240
21/28RFY-CS033P34-GB	2-1/2	25-3/4	18-13/16	500
38RFY-CS033P34-GB	3	26-3/4	18-13/16	560
48RFY-CS033P34-GB	4	33-5/8	20-1/4	850
68RFY-CS045P34-GB	6	33-3/4	20	1900
88RFY-CS045P34-GB	8	Consult Factory	Consult Factory	Consult Factory

†See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90640

DIMENSIONAL ASSEMBLY

PART NO.
8RFY-CS

1/2" to 8" 2500# Flg Style SA

SCALE: NTS

DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

Style SA-7

Y-Strainer

Carbon Steel (ASTM A 216, Grade WCB)

150 lb. & 300 lb. Flanged



Cast Carbon Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SA-7 strainers are constructed from rugged carbon steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style SA-7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style SA-7 strainers have cap screws and can be furnished with a steel blow-off plug upon request.

Blind covers are available upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

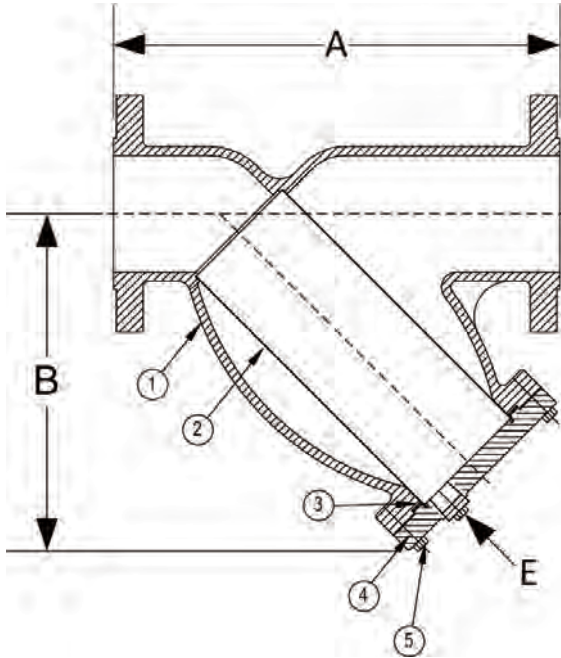
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 14"	15 mm to 350 mm
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F	1035 KPa @ 296°C
	W.O.G.	285 PSI @ 100°F	1966 KPa @ 38°C
NOM. RATING	MEDIA	1/2" to 14"	15 mm to 350 mm
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 838°F	2069 KPa @ 448°C
	W.O.G.	740 PSI @ 100°F	5104 KPa @ 38°C

Style SA-7

Y-Strainer, 150 lb. & 300 lb. Flanged
Carbon Steel (ASTM A 216, Grade WCB)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	Body	Carbon Steel (ASTM A 216, Grade WCB)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Carbon Steel (ASTM A 216, Grade WCB)
5	Hex Head Cap Screw	Carbon Steel (ASTM A 193, Grade B7)

Optional: Blow-off Plug, Carbon Steel.

*Optional Body Materials Available in LCB, WC6, and WC9.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA		FOR LIQUID	
in	mm		in	mm			in	mm
1/2 to 4	15 to 100	28	3/64	1.2	33%		1/16	1.6
5 to 10	125 to 250	22	3/64	1.2	33%		1/8	3.2
12 & 14	300 & 350	22	1/16	1.6	30%		1/8	3.2

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

Click Here
For Your Free Quote

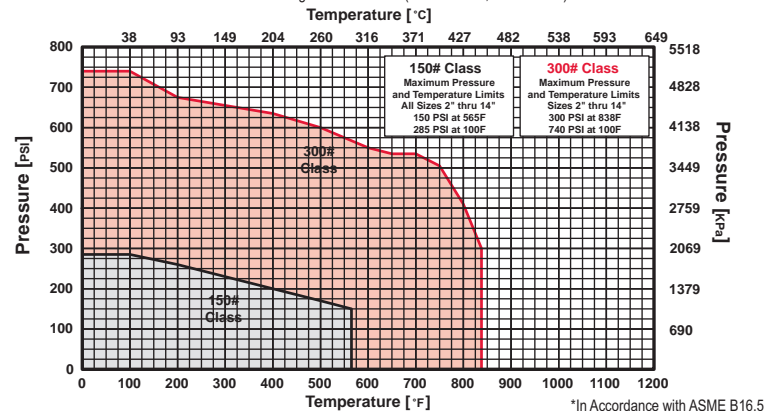
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	4"	91.89	10"	532.80
3/4"	12.32	2"	30.28	5"	209.41	12"	600.71
1"	12.32	2-1/2"	46.91	6"	241.18	(Total screen area listed for 150 lb. class only)	
1-1/4"	18.68	3"	57.62	8"	342.86		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

150# & 300# Flanged Carbon Steel (ASTM A 216, Grade WCB)





PRESSURE DROP CHART

Flanged “Y” Pattern Strainers (Styles A, BA, BA-7, SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8”.

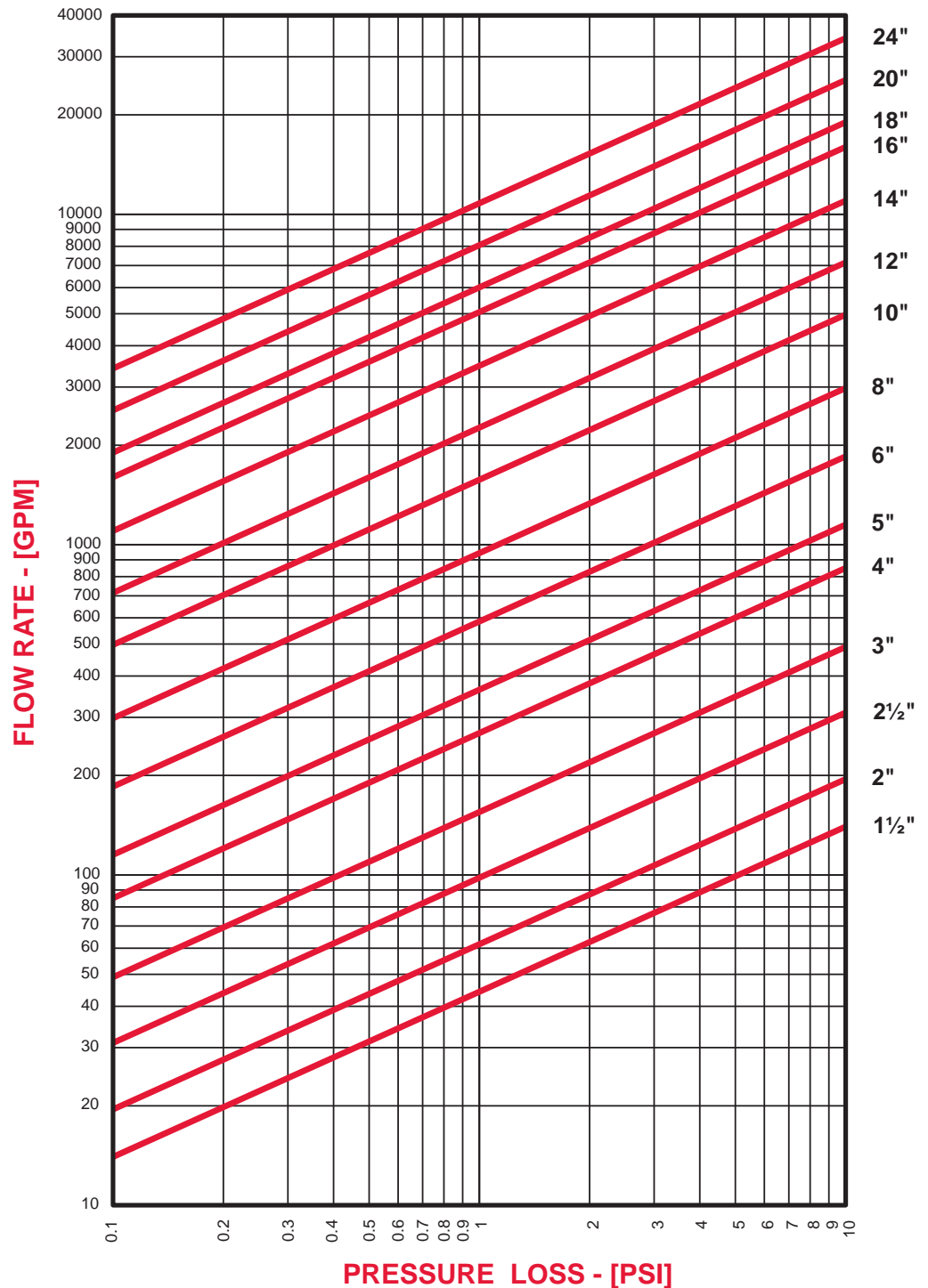
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

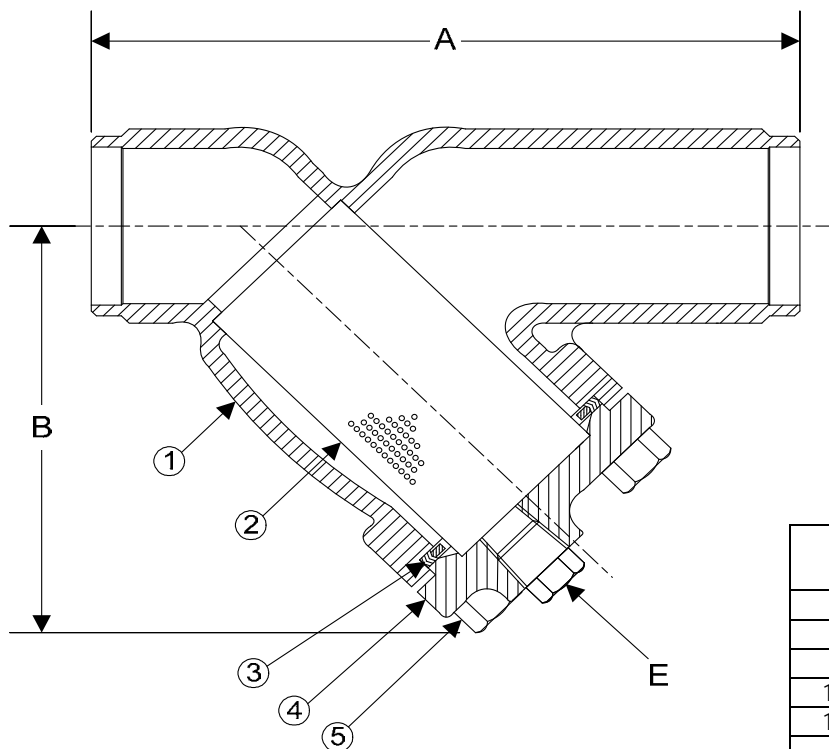
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90080



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	285 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	HEX HEAD CAP SCREWS	CARBON STEEL (ASTM A 193, GRADE B7)

Optional: Blow-off Plug, Carbon Steel (ASTM A 105)

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-CS045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 X 1-1/2	7
3/42B4Y-CS045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 X 1-1/2	11
12B4Y-CS045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 X 1-1/2	11
11/42B4Y-CS045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 X 1-1/2	12
11/22B4Y-CS045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 X 1-1/2	14
22B4Y-CS045P34-GB	2	7-7/8	6	1/2	4	1/2-13 X 1-3/4	22
21/22B4Y-CS045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 X 1-3/4	32
32B4Y-CS045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 X 1-3/4	41
42B4Y-CS045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 X 1-3/4	63
52B4Y-CS045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 X 2-1/4	111
62B4Y-CS045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 X 2-1/4	136
82B4Y-CS045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 X 2-1/4	212
102B4Y-CS045P34-GB	10	26	18-7/16	2	12	5/8-11 X 2-1/4	280
122B4Y-CS062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 X 2-3/4	460

[†]See "Style SA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90080

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 150# Schd. 40 Butt Weld Style SA-7

SCALE: NTS

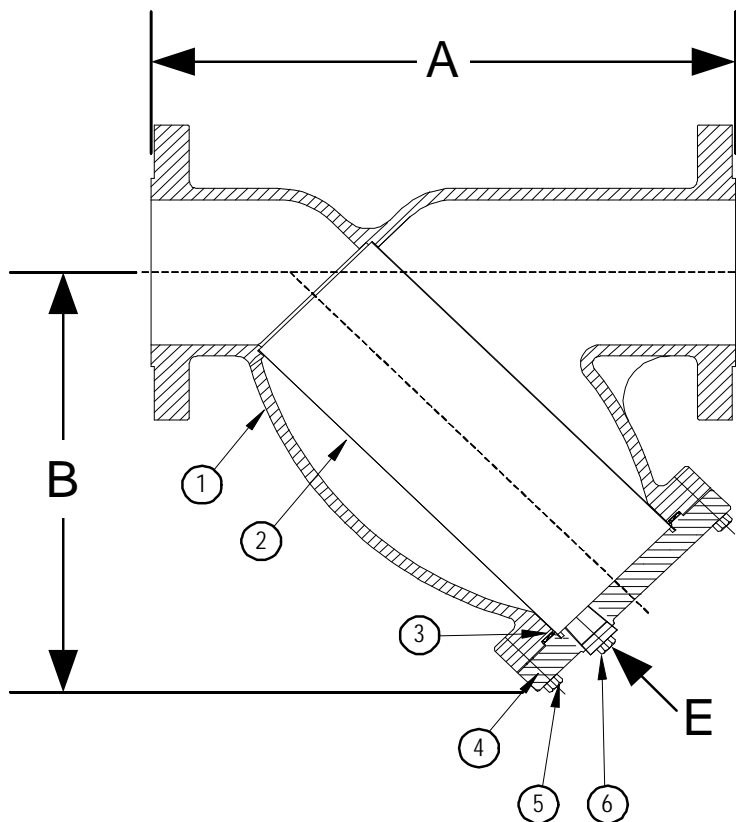
DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77020



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	285 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	HEX HEAD CAP SCREWS	CARBON STEEL (ASTM A 193, GRADE B7)
6	BLOW-OFF PLUG	CARBON STEEL (ASTM A 105)

Product Number ¹	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-CS045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-CS045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-CS045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-CS045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-CS045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-CS045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-CS045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-CS045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-CS045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-CS045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-CS045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-CS045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-CS045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-CS062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-CS062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

¹See "Style SA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77020

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SA-7

SCALE: NTS

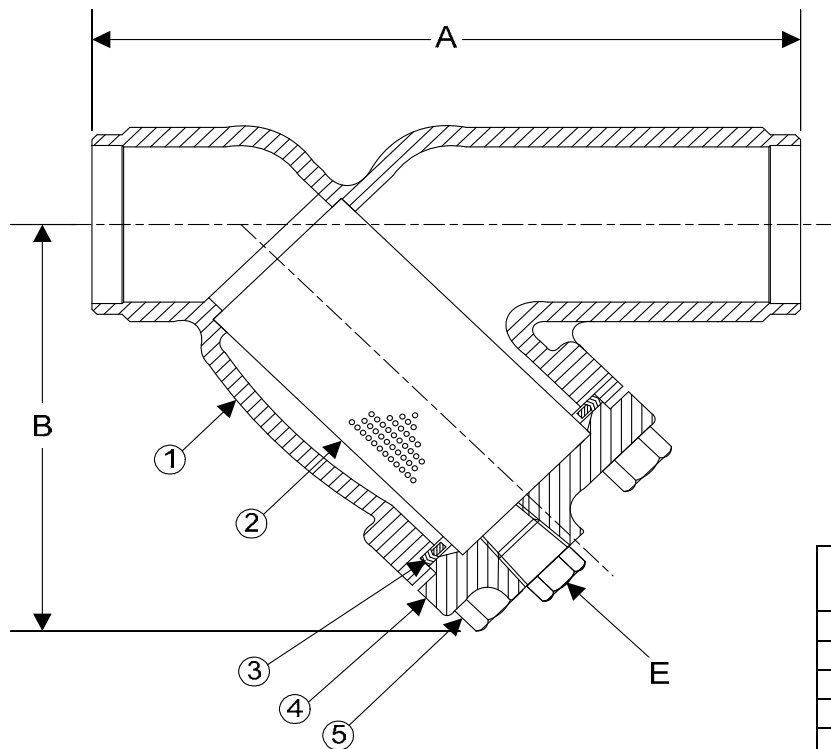
DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90120



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 838°F
	W.O.G.	740 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	HEX HEAD CAP SCREWS	CARBON STEEL (ASTM A 193, GRADE B7)

Optional: Blow-Off Plug, Carbon Steel (ASTM A 105)

Product Number ¹	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-CS045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 X 1-1/2	6
3/44B4Y-CS045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 X 1-1/2	13
14B4Y-CS045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 X 1-1/2	13
11/44B4Y-CS045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 X 1-1/2	19
11/24B4Y-CS045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 X 1-1/2	19
24B4Y-CS045P34-GB	2	9-1/2	6	1/2	4	1/2-13 X 1-3/4	33
21/24B4Y-CS045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 X 1-3/4	44
34B4Y-CS045P34-GB	3	12	7-5/16	1	4	1/2-13 X 1-3/4	58
44B4Y-CS045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 X 1-3/4	90
54B4Y-CS045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 X 2-1/4	180
64B4Y-CS045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 X 2-1/4	180
84B4Y-CS045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 X 2-3/4	304
104B4Y-CS045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 X 3	470
124B4Y-CS062P34-GB	12	32	21-5/8	2	20	5/8-11 X 3-1/4	709

¹See "Style SA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90120

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 300# Schd. 40 Butt Weld Style SA-7

SCALE: NTS

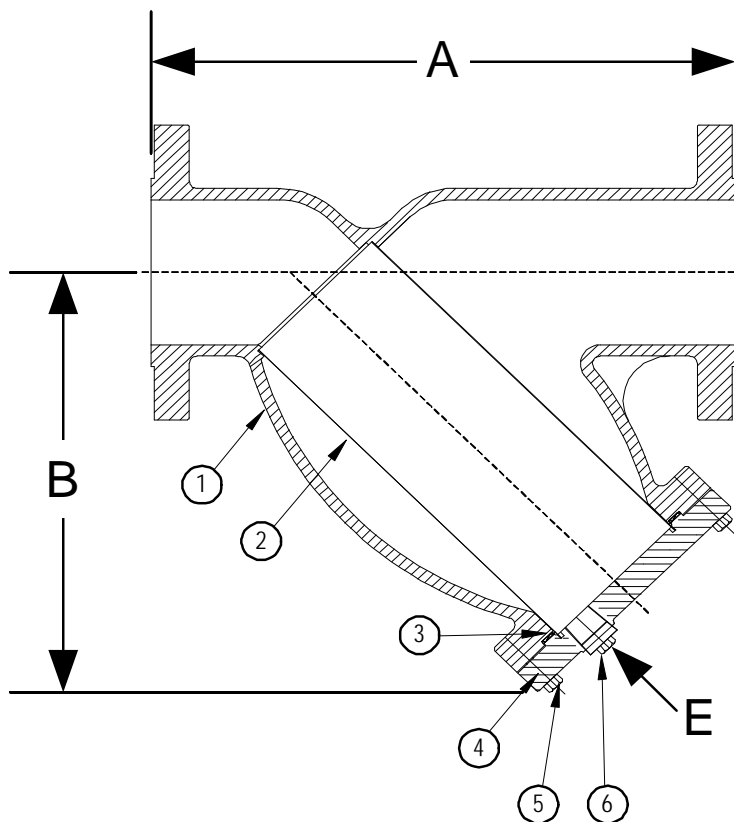
MAT'L: Cast Carbon Steel

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 77022



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 838°F
	W.O.G.	740 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	HEX HEAD CAP SCREWS	CARBON STEEL (ASTM A 193, GRADE B7)
6	BLOW-OFF PLUG	CARBON STEEL (ASTM A 105)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-CS045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-CS045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-CS045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-CS045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-CS045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-CS045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-CS045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-CS045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-CS045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-CS045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-CS045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-CS045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-CS045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-CS062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-CS062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77022

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SA-7

SCALE: NTS

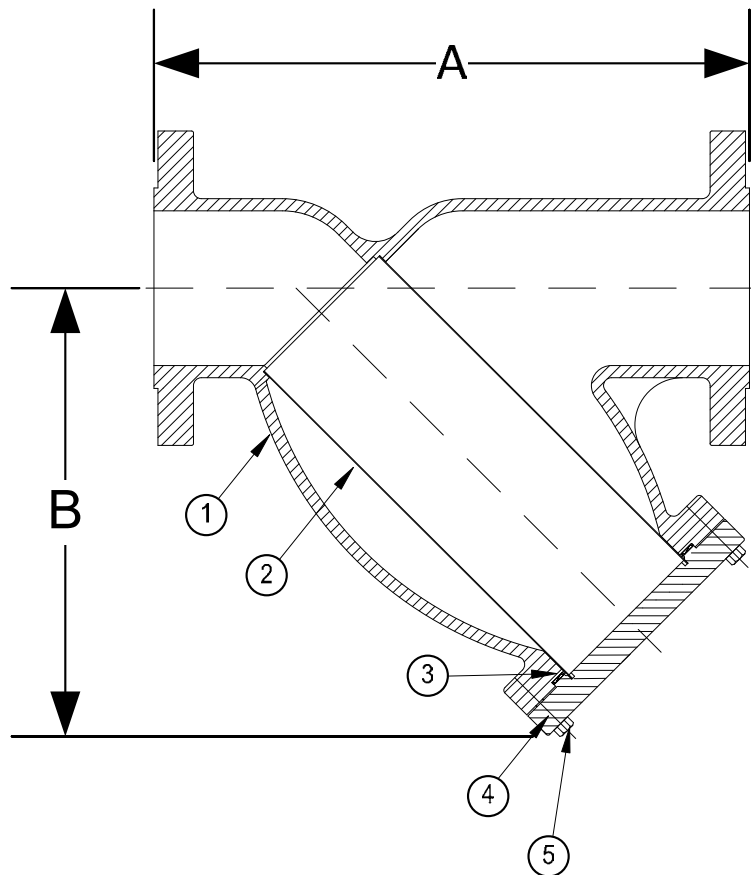
DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90480



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
900# R.F. & D.	STEAM	1235 PSI @ 800°F
(EX. HEAVY FLANGE)	W.O.G.	2220 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number ¹	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/26RFY-CS033P34-GB	1/2	8-1/8	4-1/4	20
3/46RFY-CS033P34-GB	3/4	9-1/16	4-3/4	30
16RFY-CS033P34-GB	1	10-11/16	5-3/4	52
11/46RFY-CS033P34-GB	1-1/4	12	6-3/4	65
11/26RFY-CS033P34-GB	1-1/2	12	6-3/4	65
26RFY-CS033P34-GB	2	13-15/16	7-1/2	93
21/26RFY-CS033P34-GB	2-1/2	17-1/2	10-3/4	185
36RFY-CS033P34-GB	3	17-1/2	10-3/4	185
46RFY-CS033P34-GB	4	23-1/4	15	250
66RFY-CS045P34-GB	6	27-3/4	18-7/8	560
86RFY-CS045P34-GB	8	33-1/4	23-7/8	1000

¹See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90480

DIMENSIONAL ASSEMBLY

1/2" to 8" 900# Flg Style SA

PART NO.
6RFY-CS

SCALE: NTS

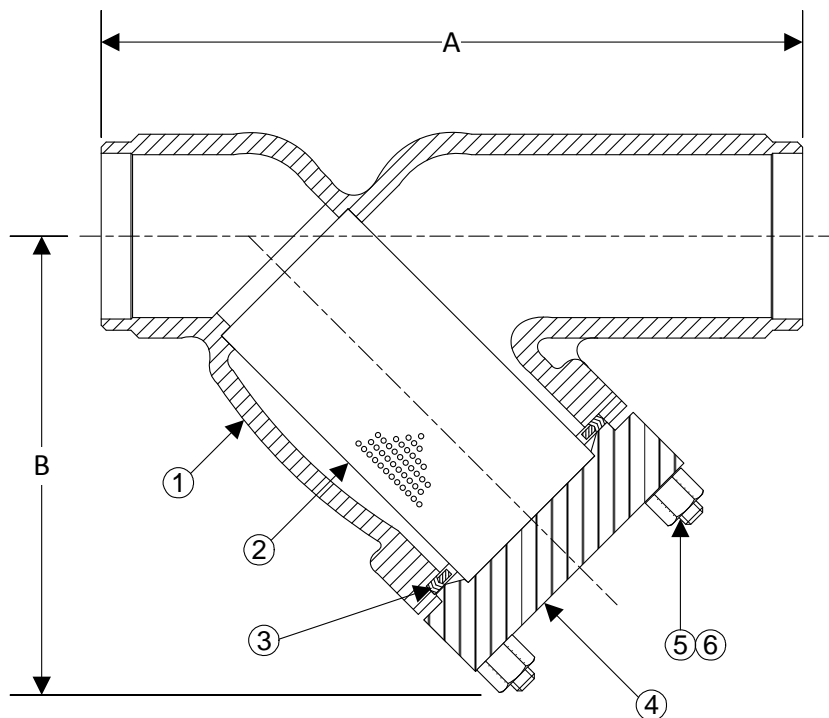
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90600



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
1500# SCH 160 (BUTT WELD)	STEAM	2055 PSI @ 800°F
	W.O.G.	3705 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number ¹	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/27B9Y-CS033P34-GB	1/2	7-3/8	4-1/4	20
3/47B9Y-CS033P34-GB	3/4	8-3/16	4-3/4	30
17B9Y-CS033P34-GB	1	9-11/16	5-3/4	52
11/47B9Y-CS033P34-GB	1-1/4	12	6-3/4	65
11/27B9Y-CS033P34-GB	1-1/2	12	6-3/4	65
27B9Y-CS033P34-GB	2	13-15/16	7-1/2	93
21/27B9Y-CS033P34-GB	2-1/2	17-1/2	10-3/4	185
37B9Y-CS033P34-GB	3	17-1/2	10-3/4	185
47B9Y-CS033P34-GB	4	12-1/4	15	334
67B9Y-CS045P34-GB	6	30-5/8	18-7/8	770
87B9Y-CS045P34-GB	8	39	12-7/8	1200

¹See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90600

DIMENSIONAL ASSEMBLY

1/2" to 8" 1500# Butt Weld Style SA

PART NO.
7B9Y-CS

SCALE: NTS

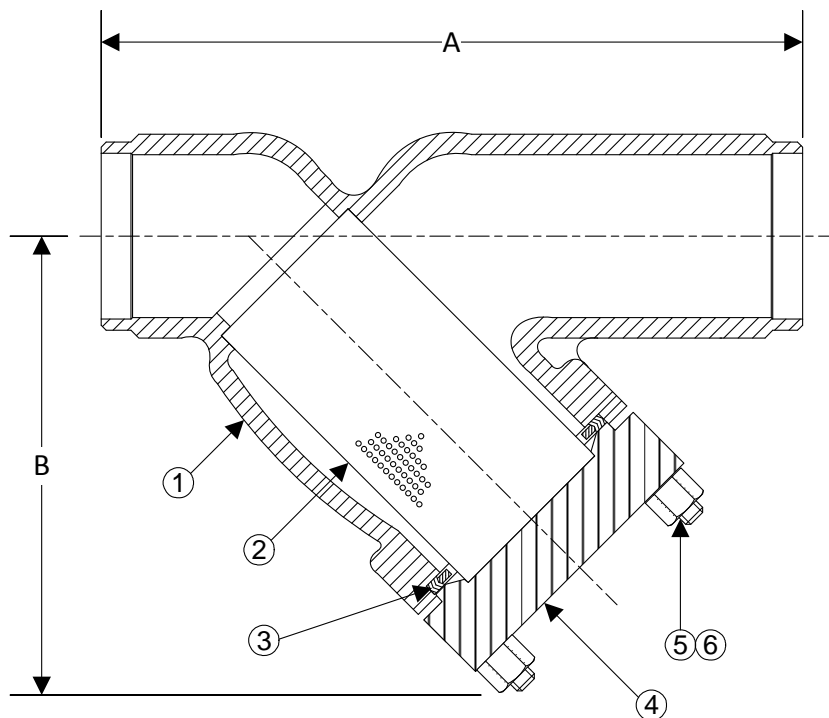
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90680



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
2500# SCH XXS (BUTT WELD)	STEAM	3430 PSI @ 800°F
	W.O.G.	6170 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number†	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/28BZY-CS033P34-GB	1/2	12-5/8	7-11/16	30
3/48BZY-CS033P34-GB	3/4	12-5/8	7-11/16	40
18BZY-CS033P34-GB	1	12-5/8	7-11/16	65
11/48BZY-CS033P34-GB	1-1/4	16-7/8	10-1/2	140
11/28BZY-CS033P34-GB	1-1/2	16-7/8	10-1/2	140
28BZY-CS033P34-GB	2	17	12-1/2	240
21/28BZY-CS033P34-GB	2-1/2	23	18-13/16	500
38BZY-CS033P34-GB	3	23	18-13/16	560
48BZY-CS033P34-GB	4	33-3/8	20-1/4	850
68BZY-CS045P34-GB	6	31	20	1900
88BZY-CS045P34-GB	8	Consult Factory	Consult Factory	Consult Factory

†See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90680

DIMENSIONAL ASSEMBLY

1/2" to 8" 2500# Butt Weld Style SA

PART NO.
8BZY-CS

SCALE: NTS

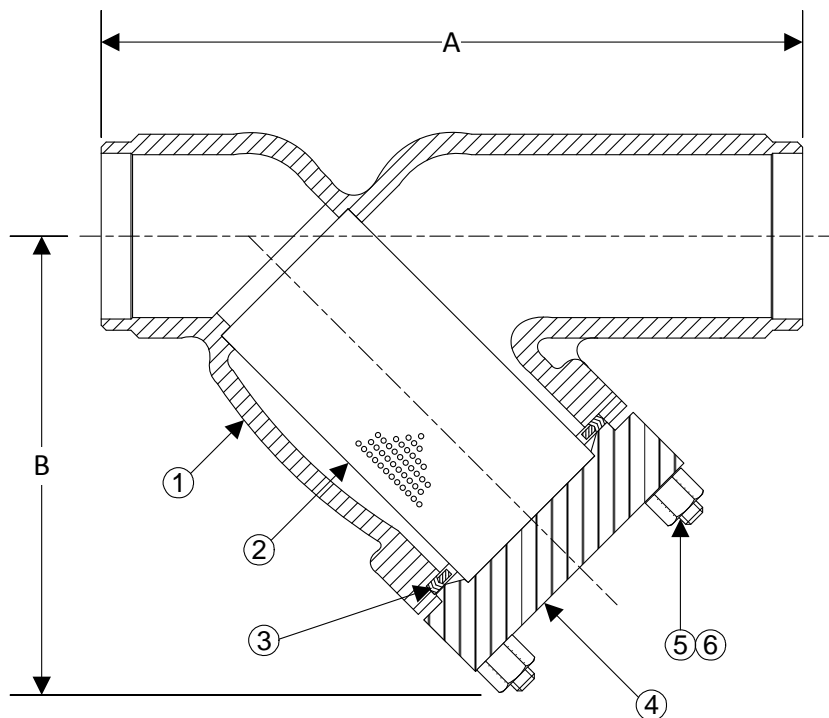
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90520



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
900# SCH 160 (BUTT WELD)	STEAM	1235 PSI @ 800°F
	W.O.G.	2220 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number†	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/26B9Y-CS033P34-GB	1/2	7-3/8	4-1/4	20
3/46B9Y-CS033P34-GB	3/4	8-3/16	4-3/4	30
16B9Y-CS033P34-GB	1	9-1/16	5-3/4	52
11/46B9Y-CS033P34-GB	1-1/4	12	6-3/4	65
11/26B9Y-CS033P34-GB	1-1/2	12	6-3/4	65
26B9Y-CS033P34-GB	2	13-15/16	7-1/2	93
21/26B9Y-CS033P34-GB	2-1/2	17-1/2	10-3/4	185
36B9Y-CS033P34-GB	3	17-1/2	10-3/4	185
46B9Y-CS033P34-GB	4	23-3/8	15	250
66B9Y-CS045P34-GB	6	31	18-7/8	560
86B9Y-CS045P34-GB	8	Consult Factory	Consult Factory	Consult Factory

†See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90520

DIMENSIONAL ASSEMBLY

1/2" to 8" 900# Butt Weld Style SA

PART NO.
6B9Y-CS

SCALE: NTS

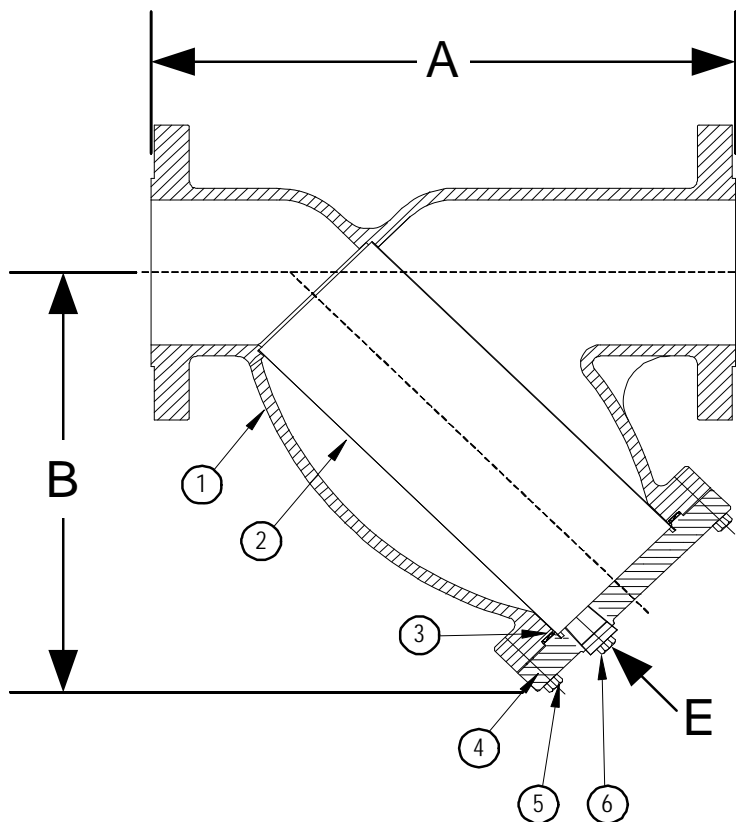
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90160



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
5	HEX HEAD CAP SCREWS	CARBON STEEL (ASTM A 193, GRADE B7)
6	BLOW-OFF PLUG	CARBON STEEL (ASTM A 105)

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-CS045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 X 1-1/2	6
3/45RFY-CS045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 X 1-1/2	13
15RFY-CS045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 X 1-1/2	13
11/45RFY-CS045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 X 1-1/2	19
11/25RFY-CS045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 X 1-1/2	27
25RFY-CS045P34-GB	2	11	7	1/2	4	1/2-13 X 1-3/4	40
21/25RFY-CS045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 X 2	60
35RFY-CS045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 X 2	78
45RFY-CS045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 X 2-1/4	160
65RFY-CS045P34-GB	6	25-5/8	20	2	12	5/8-11 X 2-3/8	364
85RFY-CS045P34-GB	8	31-3/4	24	2	12	5/8-11 X 3-3/4	670
105RFY-CS045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 X 4-1/8	1090
125RFY-CS062P34-GB	12	45-1/2	34-1/2	2	16	5/8-11 X 4-3/4	1558

[†]See "Style SA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90160

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SA

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

Style SB

Cast Carbon Steel Y-Strainer

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
1500 lb. Threaded
1500 lb. Socket Weld



APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SB strainers are constructed from rugged carbon steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SB strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for both high pressure and high temperature service. The cover is not supplied with a blow-off hole.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

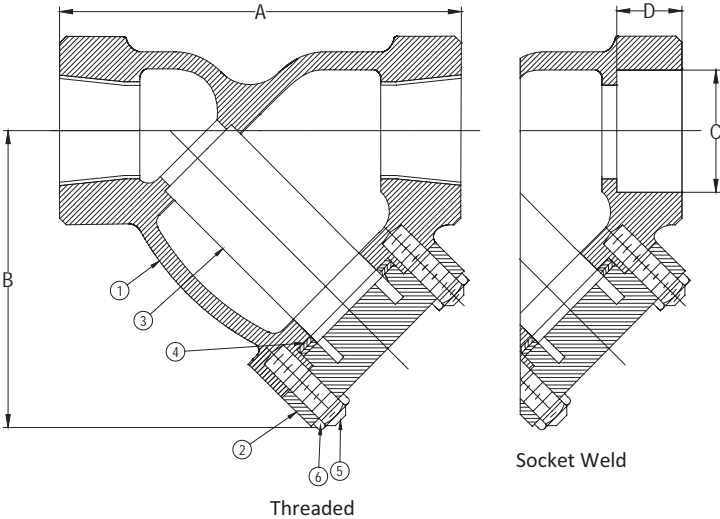
Warning: See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"	15 mm to 80 mm
1500# (THREADED & SOCKET WELD)	STEAM	1500 PSI @ 838°F	10346 KPa @ 448°C
	W.O.G.	3705 PSI @ 100°F	25553 KPa @ 38°C

Style SB

Y-Strainer, 1500 lb. Threaded & Socket Weld
Carbon Steel (ASTM A 216, Grade WCB)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	Body	Carbon Steel (ASTM A 216, Grade WCB)
2	Cover	Carbon Steel (ASTM A 216, Grade WCB)
3	Screen	Stainless Steel (304)
4	Gasket	Spiral Wound Stainless Steel (304)
5	Studs	Carbon Steel (ASTM A 193, Grade B16)
6	Nuts	Carbon Steel (ASTM A 194, Grade 4)

*Optional Body Materials Available in LCB, WC6, and WC9.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
1/2 to 3	15 to 80	26	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS								WEIGHTS	
		A		B		C		D			
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76.2	0.855	22	3/8	10	10	5
3/4	20	4-5/16	109.5	3-3/4	95.3	1.065	27	1/2	13	12	5
1	25	6	152.4	5-3/4	146	1.330	34	1/2	13	15	7
1-1/4	32	8-1/4	209.5	5-1/2	139.7	1.675	43	1/2	13	22	10
1-1/2	40	8-1/4	209.5	5-1/2	139.7	1.915	49	1/2	13	22	10
2	50	9-5/16	236.2	9-1/4	235	2.406	61	5/8	16	30	14
2-1/2	65	12	304.8	10-1/2	266.7	2.906	74	5/8	16	50	23
3	80	12	304.8	10-1/2	266.7	3.535	90	5/8	16	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

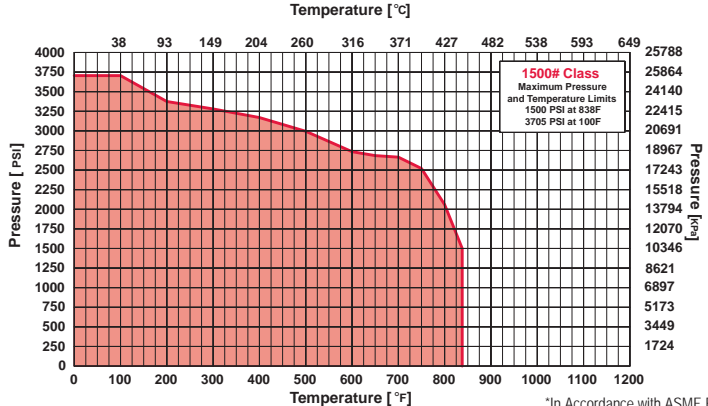
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	5.97	1-1/4"	27.94	2-1/2"	77.80
3/4"	9.73	1-1/2"	27.94	3"	79.48
1"	17.55	2"	38.08		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

1500# Threaded & Socket Weld Carbon Steel (ASTM A 216, Grade WCB)



*In Accordance with ASME B16.34

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

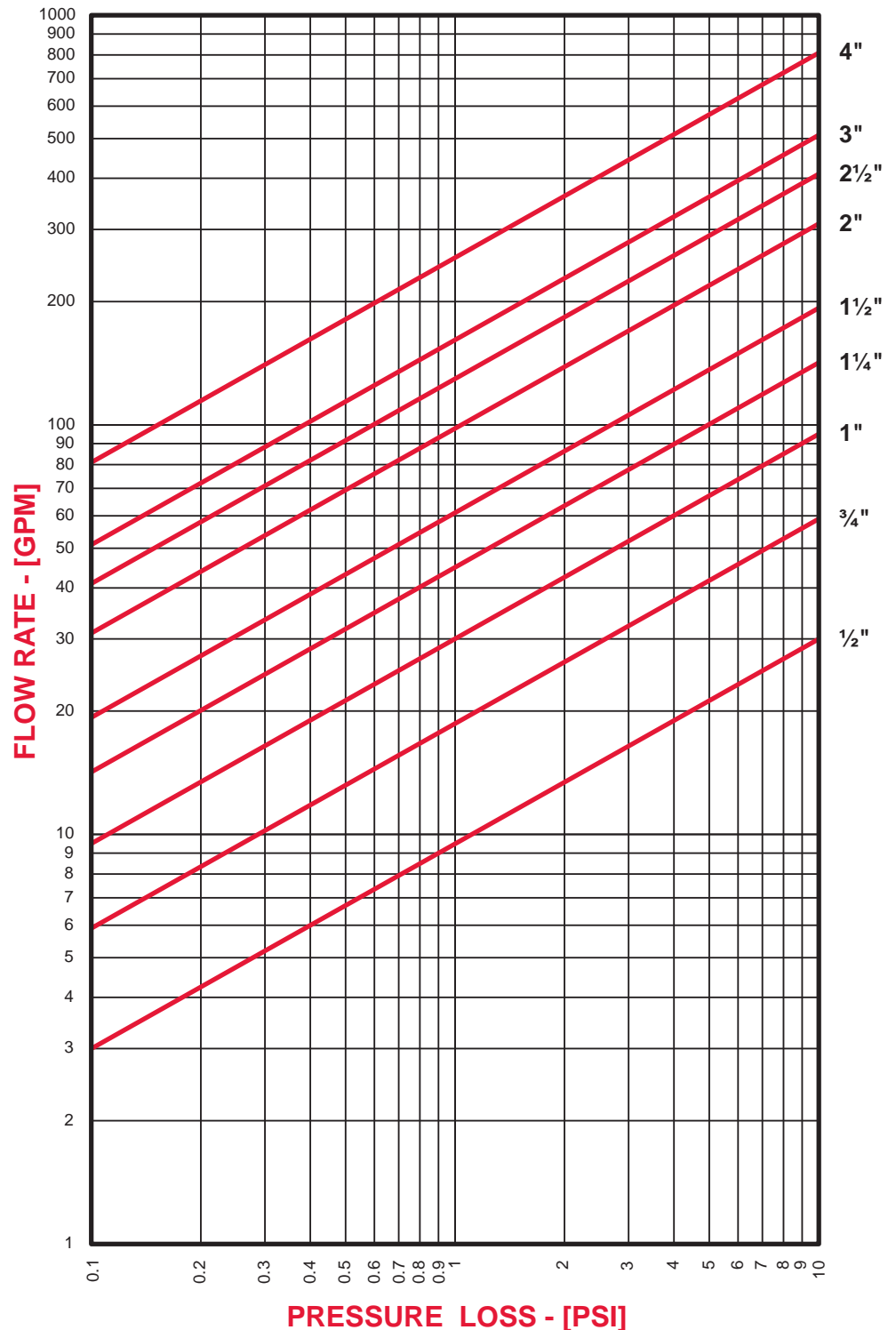
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



Style SB-7

Y-Strainer

Carbon Steel (ASTM A 216, Grade WCB)

600 lb. Threaded

600 lb. Socket Weld



Cast Carbon Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SB-7 strainers are constructed from rugged carbon steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SB-7 strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. This strainer has a straight threaded cap and is furnished standard with a NPT blow-off connection. The gasket is 304 stainless steel spiral wound and is compressed between the body and cap (for maximum strength and durability) and designed for both high pressure and high temperature service. Keckley Style SB-7 strainers can be supplied with a carbon steel blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

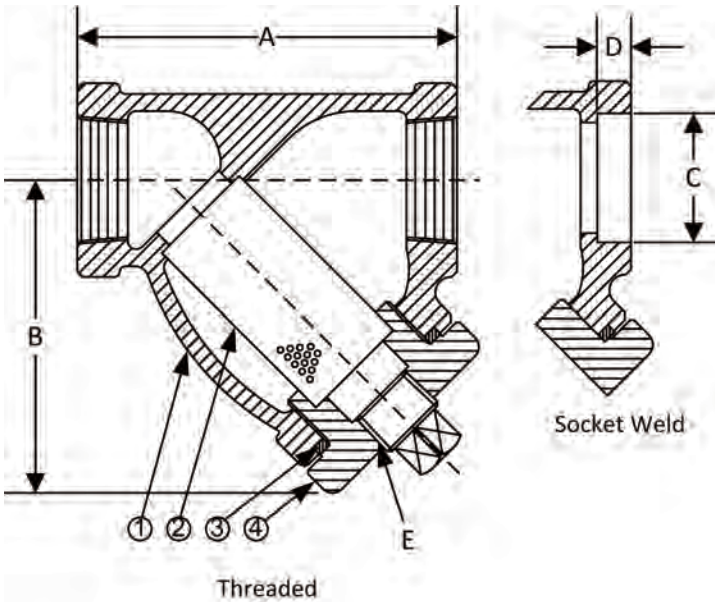
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 838°F	4138 KPa @ 448°C
	W.O.G.	1480 PSI @ 100°F	10208 KPa @ 38°C

Style SB-7

**Y-Strainer, 600 lb. Threaded & Socket Weld
Carbon Steel (ASTM A 216, Grade WCB)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Carbon Steel (ASTM A 216, Grade WCB)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cap	Carbon Steel (ASTM A 216, Grade WCB)

Optional: Blow-off Plug, Carbon Steel (ASTM A 105).

*Optional Body Materials Available in LCB, WC6, and WC9.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	0.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	0.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	0.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	22	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

[Click Here
For Your Free Quote](#)

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

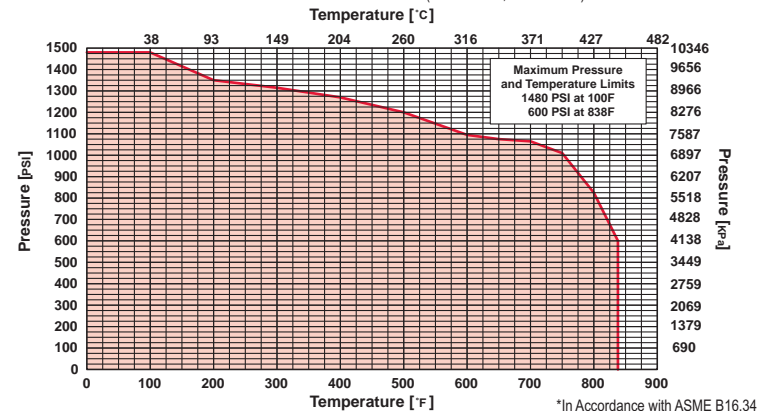
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Threaded & Socket Weld Carbon Steel (ASTM A 216, Grade WCB)



PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

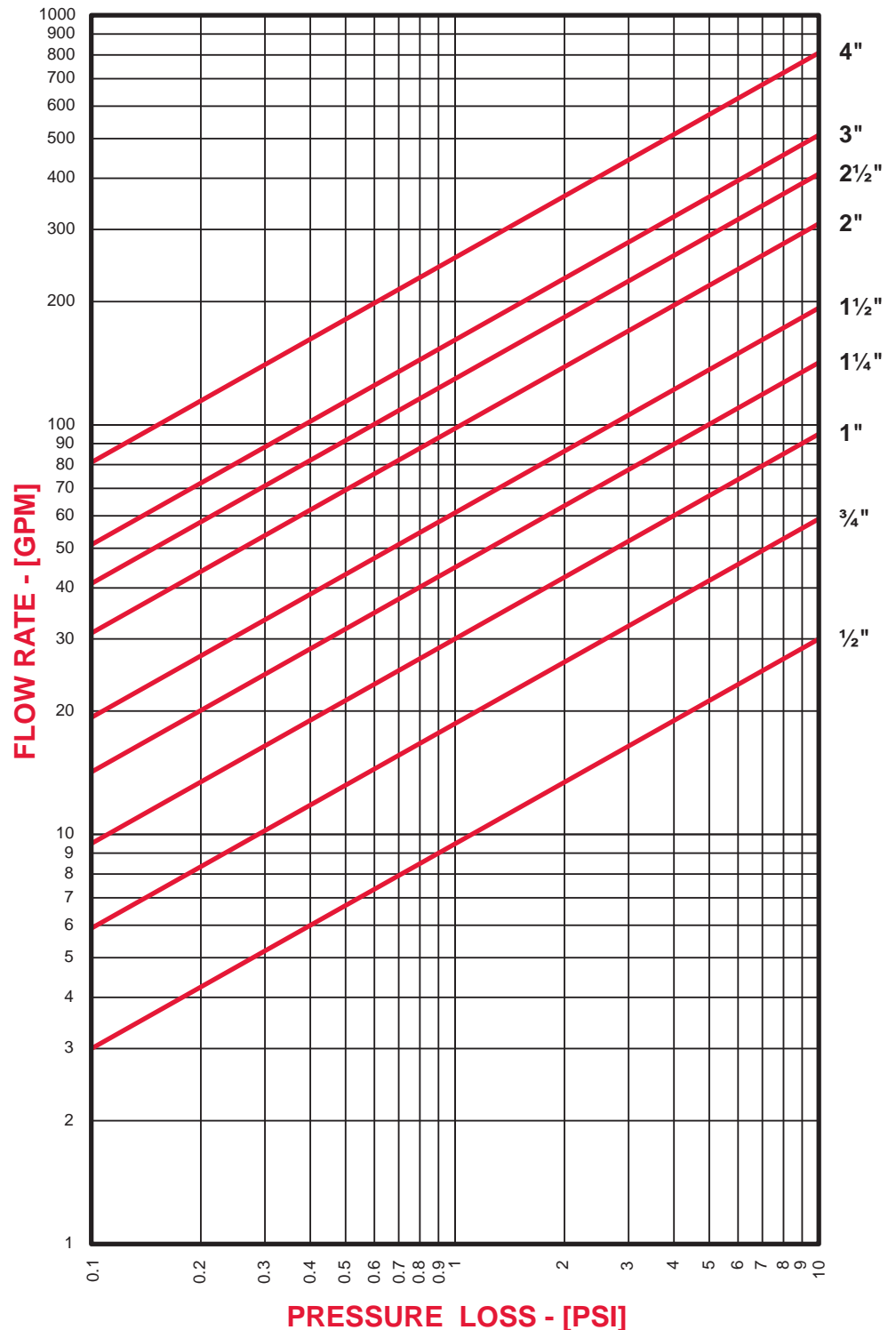
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



Style SB-7BC

Y-Strainer

Carbon Steel (ASTM A 216, Grade WCB)

600 lb. Threaded Bolted Cover

600 lb. Socket Weld Bolted Cover



Cast Carbon Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SB-7BC strainers are constructed from rugged carbon steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SB-7BC strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. This strainer has a bolted cover and is furnished standard with a NPT blow-off connection. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for both high pressure and high temperature service. Keckley Style SB-7BC strainers can be supplied with a carbon steel blow-off plug upon request.

SCREENS

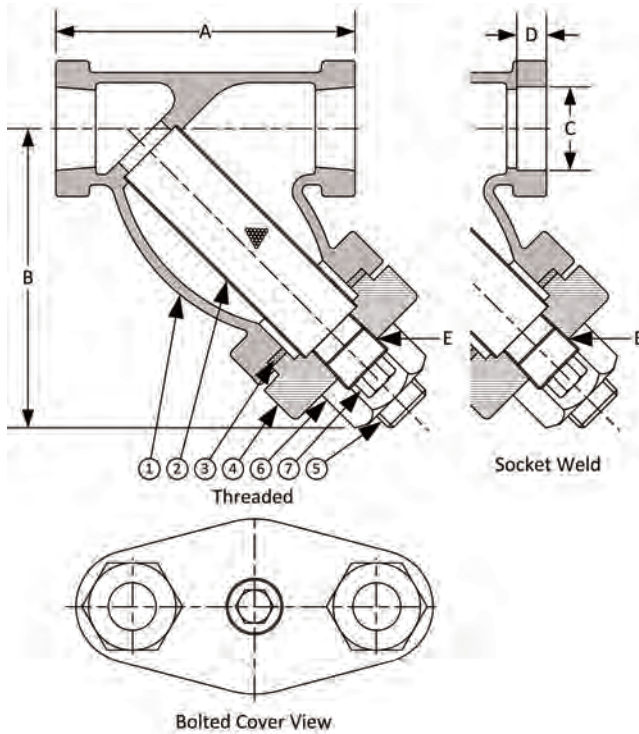
Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 838°F	4138 KPa @ 448°C
	W.O.G.	1480 PSI @ 100°F	10208 KPa @ 38°C



Style SB-7BC

Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover

Carbon Steel (ASTM A 216, Grade WCB)

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	Body	Carbon Steel (ASTM A 216, Grade WCB)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cap	Carbon Steel (ASTM A 216, Grade WCB)
5	Stud	Carbon Steel (ASTM A 193, Grade B7)
6	Nut	Carbon Steel (ASTM A 194, Grade 2H)
7	Plug	Carbon Steel (ASTM A 105)

*Optional Body Materials Available in LCB, WC6, and WC9.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-1/2	63	0.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	0.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	0.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	22	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

*This table reflects only the nearest metric equivalents.

[Click Here](#)
For Your Free Quote

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

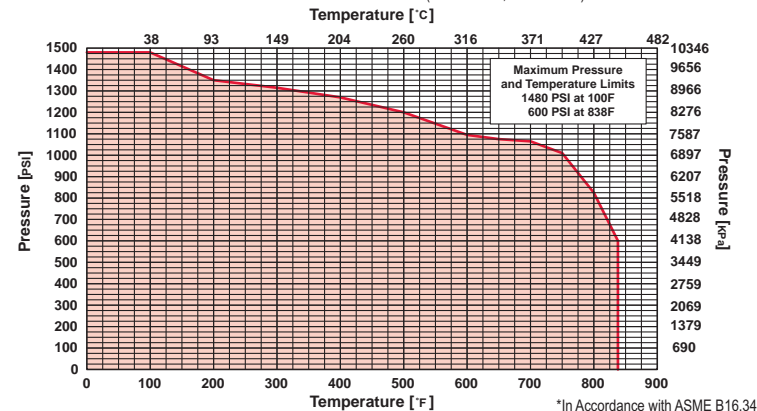
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	4.36	1"	13.84	2-1/2"	69.82
3/8"	4.36	1-1/4"	20.83	3"	69.82
1/2"	4.36	1-1/2"	24.02		
3/4"	9.37	2"	35.48		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Threaded & Socket Weld Carbon Steel (ASTM A 216, Grade WCB)



PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

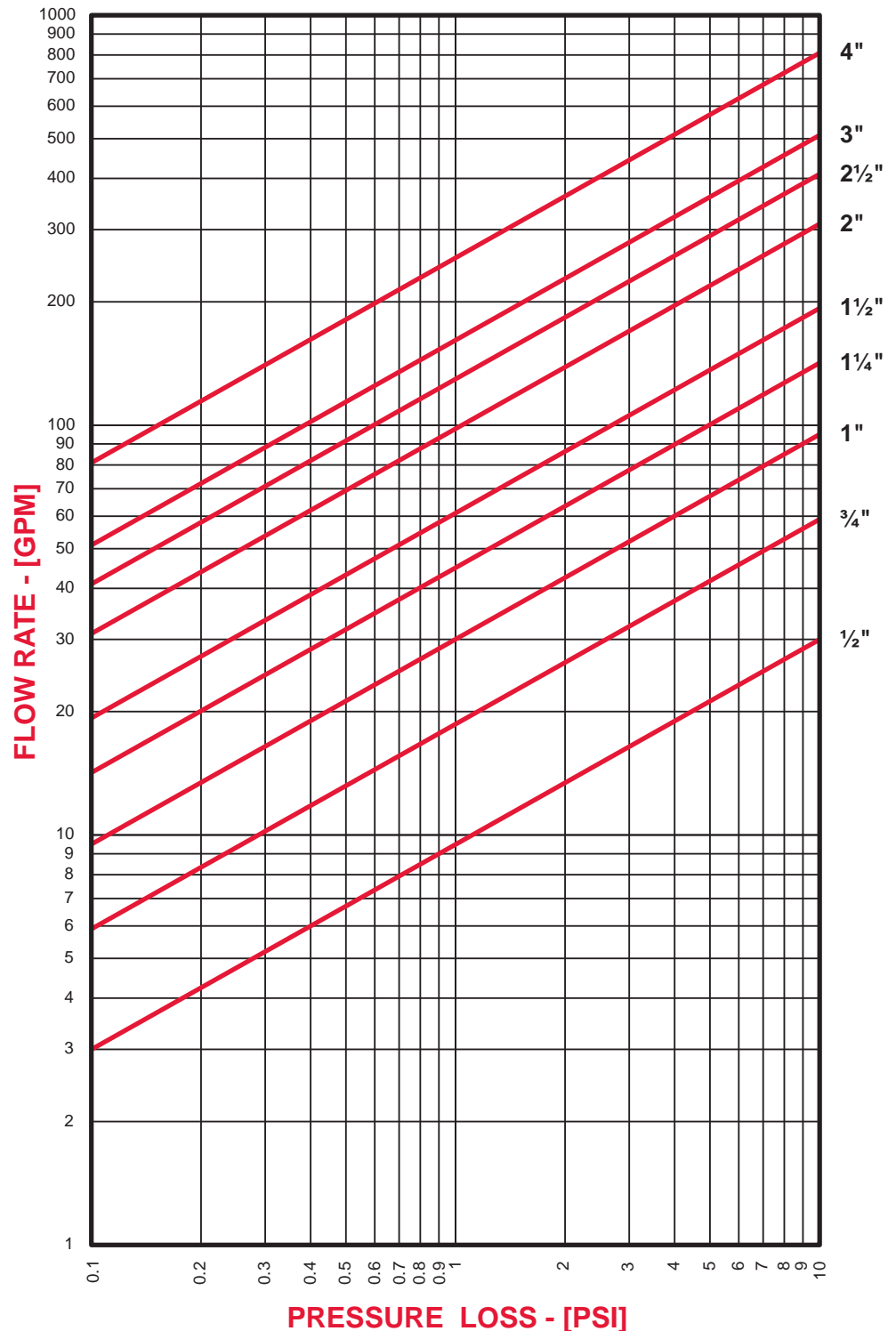
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

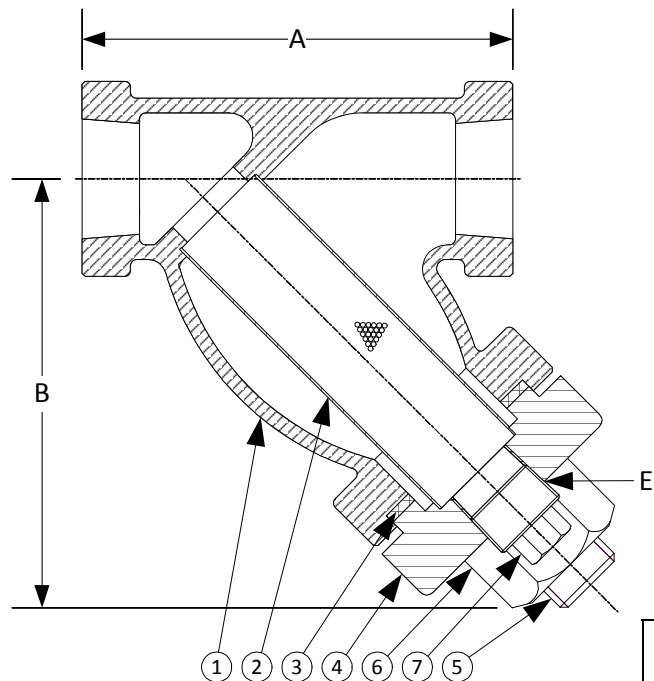
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	CARBON STEEL (ASTM A 105)

Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-CS045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-CS045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-CS045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-CS045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-CS045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-CS045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-CS045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-CS045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-CS045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-CS045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SB-7BC

SCALE: NTS

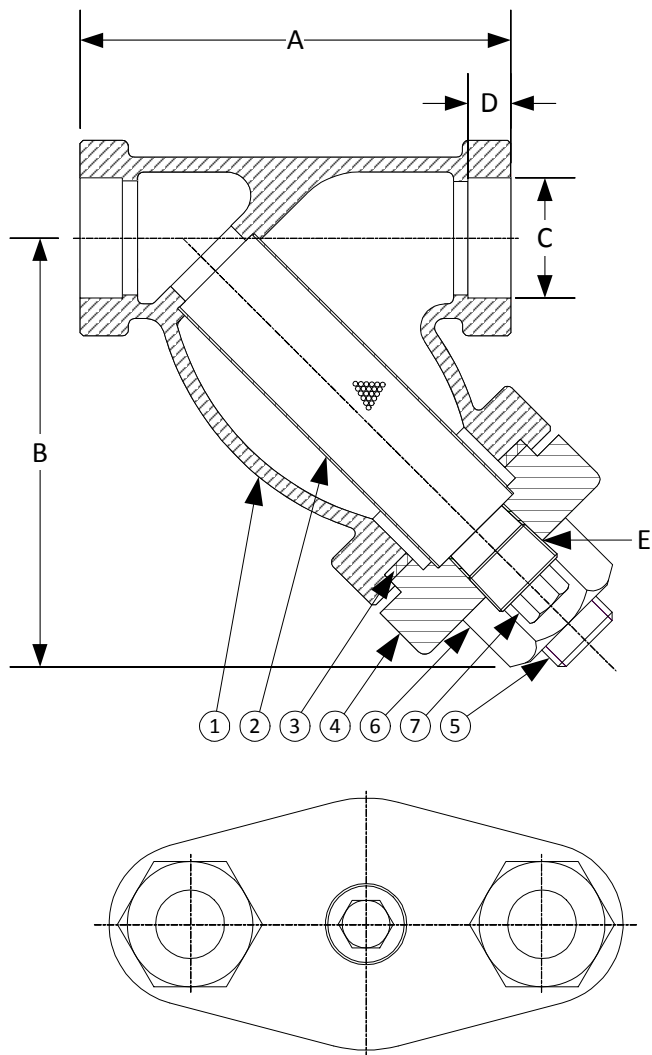
DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CARBON STEEL (ASTM A 216, GRADE WCB)
5	STUD	CARBON STEEL (ASTM A 193, GRADE B7)
6	NUT	CARBON STEEL (ASTM A 194, GRADE 2H)
7	PLUG	CARBON STEEL (ASTM A 105)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-CS045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-CS045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-CS045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-CS045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-CS045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-CS045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-CS045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-CS045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-CS045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-CS045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SB-7BC

SCALE: NTS

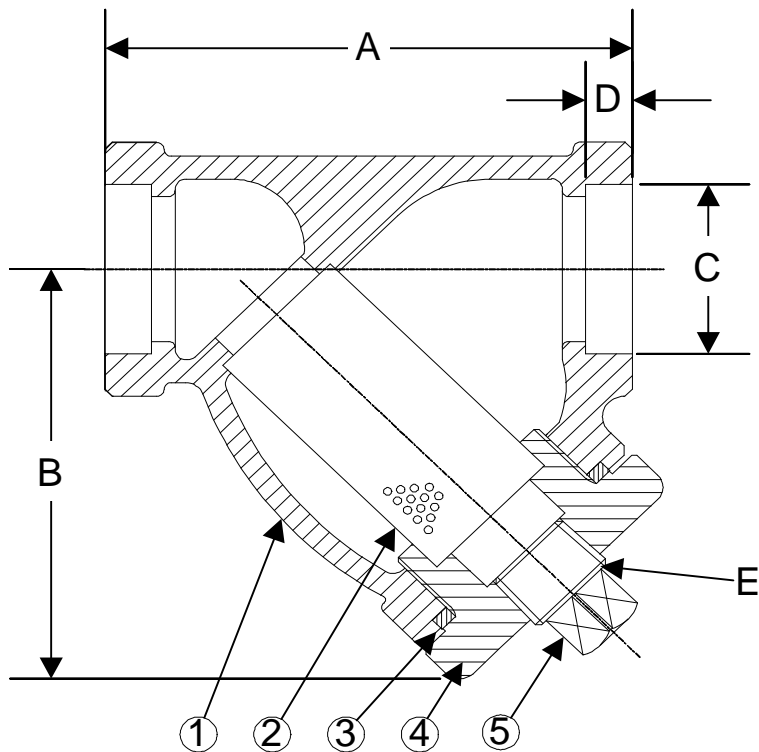
DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77012



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CARBON STEEL (ASTM A 216, GRADE WCB)

Optional: Blow-off Plug, Carbon Steel (ASTM A 105)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/4SWY-CS045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/8SWY-CS045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/2SWY-CS045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/4SWY-CS045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
1SWY-CS045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
1 1/4SWY-CS045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
1 1/2SWY-CS045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
2SWY-CS045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
2 1/2SWY-CS045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
3SWY-CS045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77012

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SB-7

SCALE: NTS

DATE: 07/01/2011

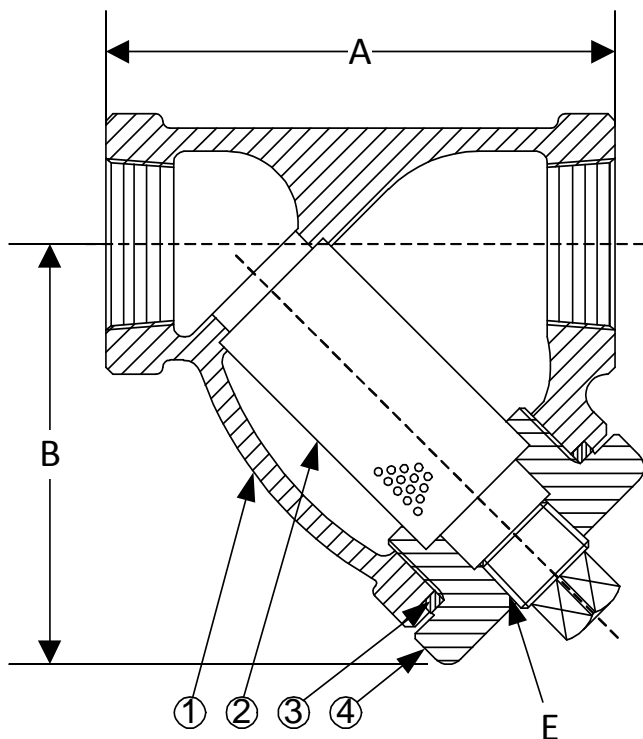
MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77010

BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 838°F
	W.O.G.	1480 PSI @ 100°F



PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CARBON STEEL (ASTM A 216, GRADE WCB)

Optional: Blow-off Plug, Carbon Steel (ASTM A 105)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-CS045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-CS045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-CS045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-CS045P34-GT	3/4	3-11/16	3	3/8	5
15THY-CS045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-CS045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-CS045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-CS045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-CS045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-CS045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77010

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SB-7

SCALE: NTS

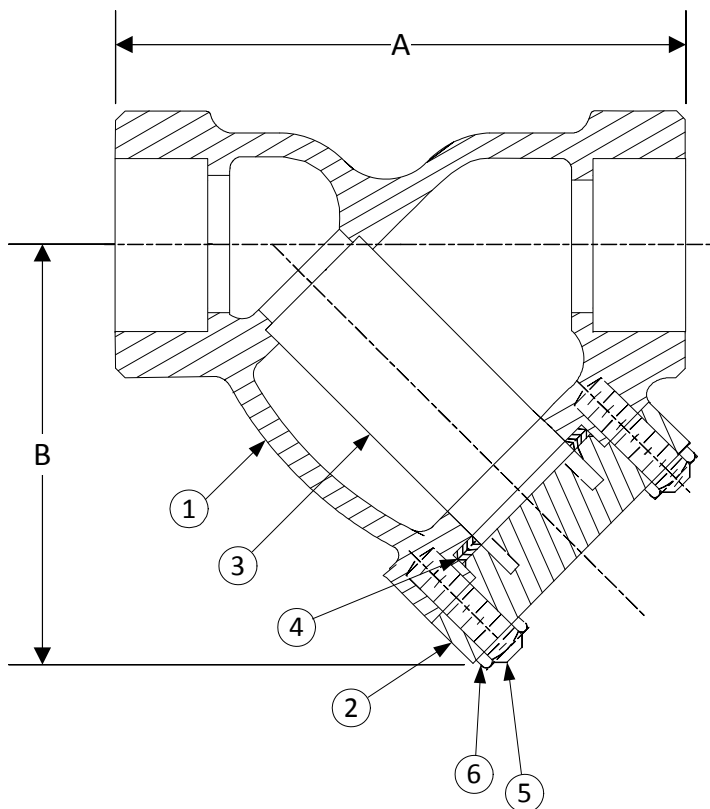
DATE: 07/01/2011

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90260



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 838°F
	W.O.G.	3705 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	CARBON STEEL (ASTM A 193, GRADE B16)
6	NUTS	CARBON STEEL (ASTM A 194, GRADE 4)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-CS033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-CS033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-CS033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-CS033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-CS033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-CS033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-CS033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-CS033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90260

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SB

SCALE: NTS

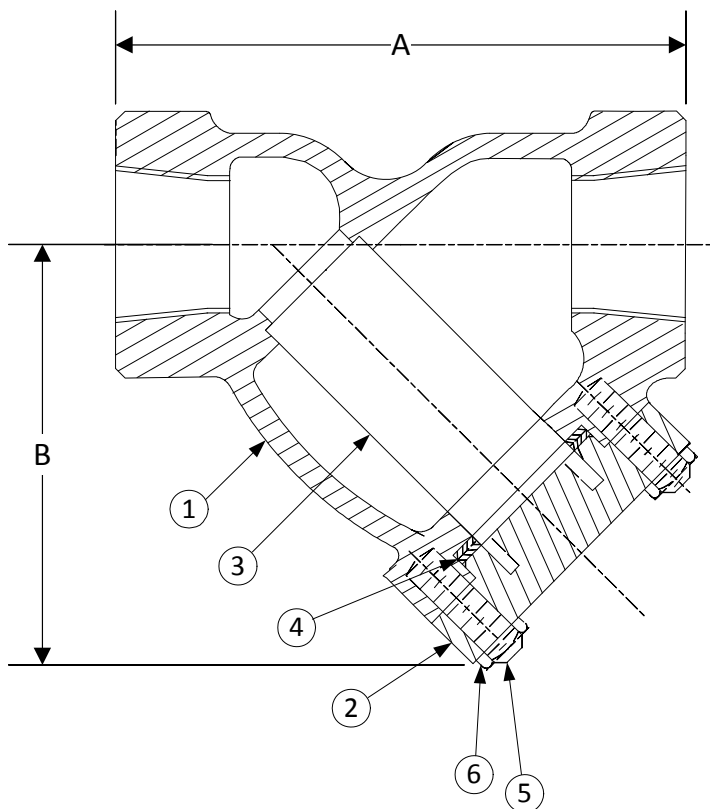
DATE: 11/30/2016

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90240



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 838°F
	W.O.G.	3705 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CARBON STEEL (ASTM A 216, GRADE WCB)
2	COVER	CARBON STEEL (ASTM A 216, GRADE WCB)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	CARBON STEEL (ASTM A 193, GRADE B16)
6	NUTS	CARBON STEEL (ASTM A 194, GRADE 4)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-CS033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-CS033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-CS033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-CS033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-CS033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-CS033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-CS033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-CS033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90240

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SB

SCALE: NTS

DATE: 11/30/2016

MAT'L: Cast Carbon Steel

REQ. ---

DR. BY DSF

Style BDI

Y-Strainer

Ductile Iron (ASTM A 536, Grade 65-45-12)

300 lb. Threaded



Ductile Iron Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style BDI strainers are constructed from rugged ductile iron castings that are machined to exacting specifications.

FEATURES

The Keckley Style BDI features a tapered bushing and is furnished standard with a NPT blow-off connection and can be supplied with an iron blow-off plug upon request.

SCREENS

Standard screens are 20 mesh 304 stainless steel and are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

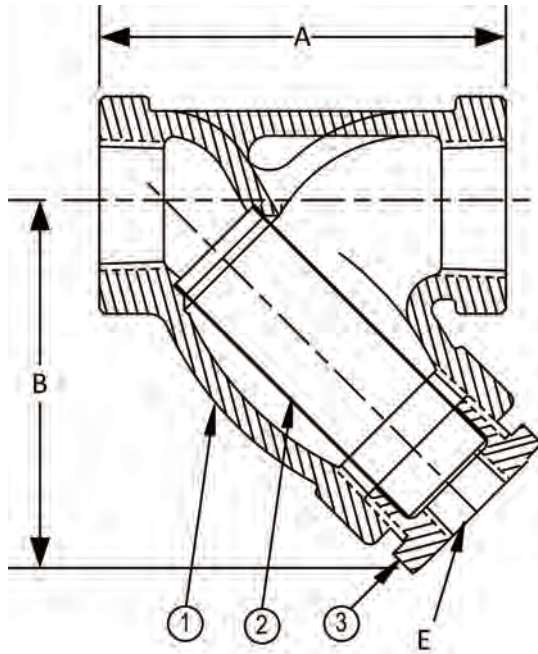
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 2"	15 mm to 50 mm
300# (Threaded)	STEAM	450 PSI @ 650°F	3104 KPa @ 343°C
	W.O.G.	640 PSI @ 100°F	4414 KPa @ 38°C

Style BDI

Y-Strainer, 300 lb. Threaded

Ductile Iron (ASTM A 536, Grade 65-45-12)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Ductile Iron (ASTM A 536, Grade 65-45-12)
2	Screen	Stainless Steel (304)
3	Bushing	Ductile Iron

Optional: Blow-off Plug, Malleable Iron.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
in	mm		FOR STEAM in mm	OPEN AREA	FOR LIQUID in mm	OPEN AREA
1/2 to 2	15 to 50		20 MESH STAINLESS STEEL			49%

Options: Other meshes, perforations, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3	76	2-5/8	67	3/8	10	2	0.9
3/4	20	4	102	3-5/8	92	1/2	15	3	1.4
1	25	4-7/8	124	4-1/2	114	3/4	20	4.5	2.0
1-1/4	32	5-1/8	130	4-3/4	121	3/4	20	6	2.7
1-1/2	40	5-3/4	146	4-7/8	124	1	25	8	3.6
2	50	7-1/4	184	5-3/4	146	1-1/4	32	15.5	7.0

*This table reflects only the nearest metric equivalents.

[Click Here](#)
For Your Free Quote

Tensile Strength: 60/80,000 PSI

Yield Strength: 45/60,000 PSI

Elongation: 10/30%

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9.5	1"	30	1-1/2"	61
3/4"	18.7	1-1/4"	44.9	2"	98

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	5.50	1"	15.22	1-1/2"	23.37
3/4"	8.59	1-1/4"	18.69	2"	36.23

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Certified Dimensional Drawings are
Available Upon Request.

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

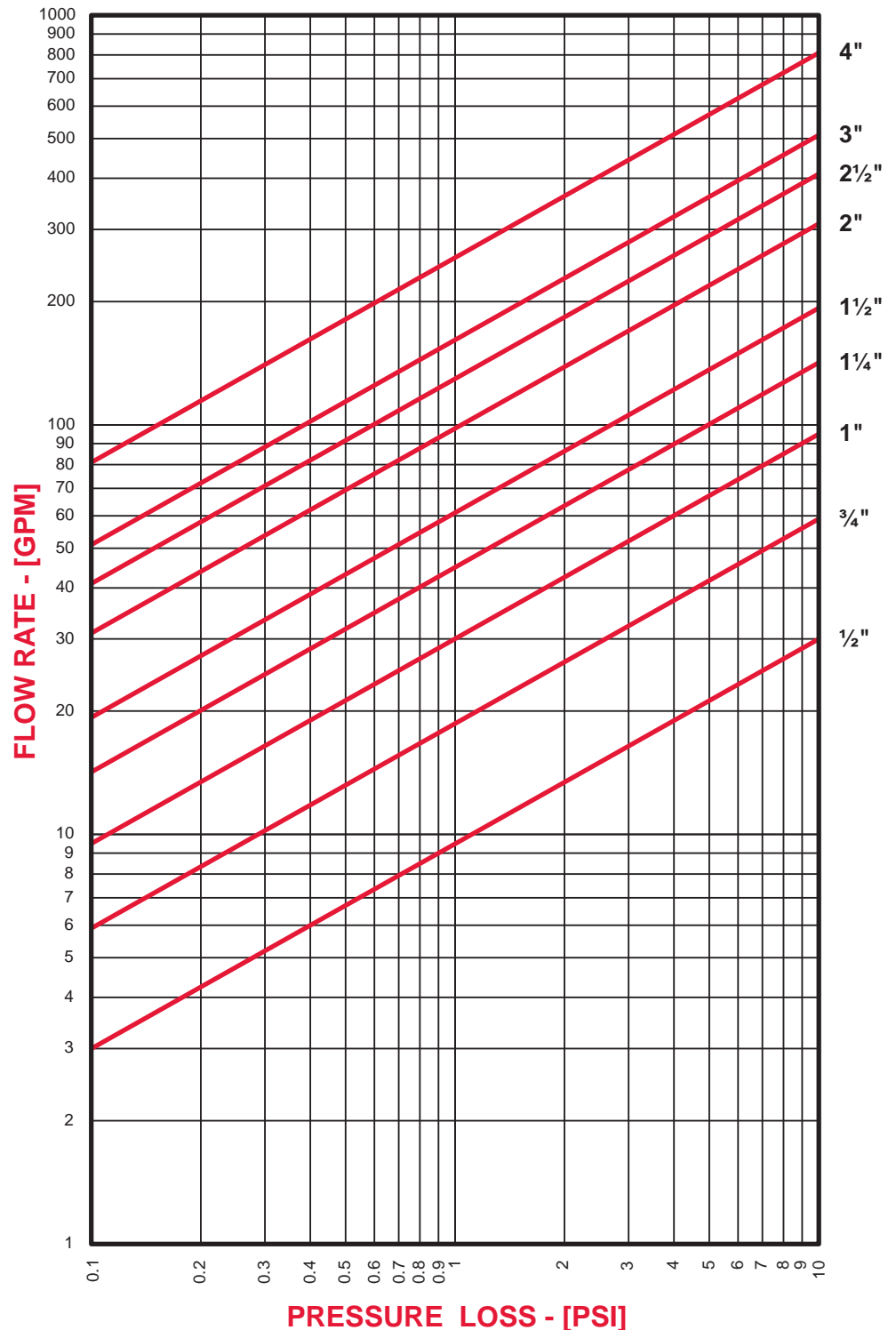
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

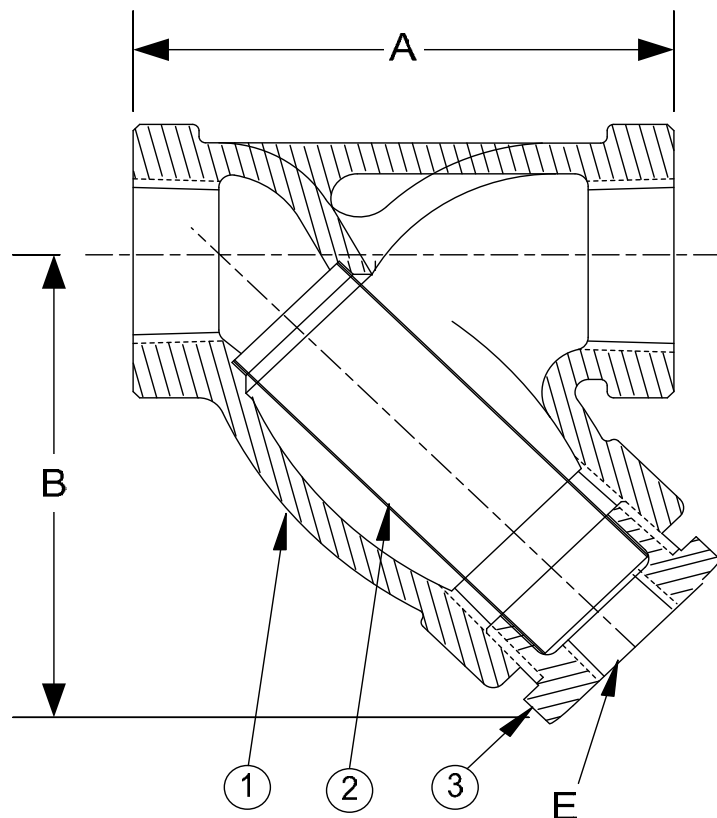
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 73180



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/2" to 4"
300# (THREADED)	STEAM	450 PSI @ 650°F
	W.O.G.	640 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUCTILE IRON (ASTM A 536, GRADE 65-45-12)
2	SCREEN	STAINLESS STEEL (304)
3	BUSHING	DUCTILE IRON

Optional: Blow-off Plug, Malleable Iron

Product Number [†]	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/24THY-DIM20M34-NT	1/2	3	2-5/8	3/8	2
3/44THY-DIM20M34-NT	3/4	4	3-5/8	1/2	3
14THY-DIM20M34-NT	1	4-7/8	4-1/2	3/4	4.5
11/44THY-DIM20M34-NT	1-1/4	5-1/8	4-3/4	3/4	6
11/24THY-DIM20M34-NT	1-1/2	5-3/4	4-7/8	1	8
24THY-DIM20M34-NT	2	7-1/4	5-3/4	1-1/4	15.5

[†]See "Style BDI Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/2 to 2		20 MESH STAINLESS STEEL			49%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 73180

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 2" 250# Threaded Style BDI

SCALE: NTS

DATE: 07/01/2011

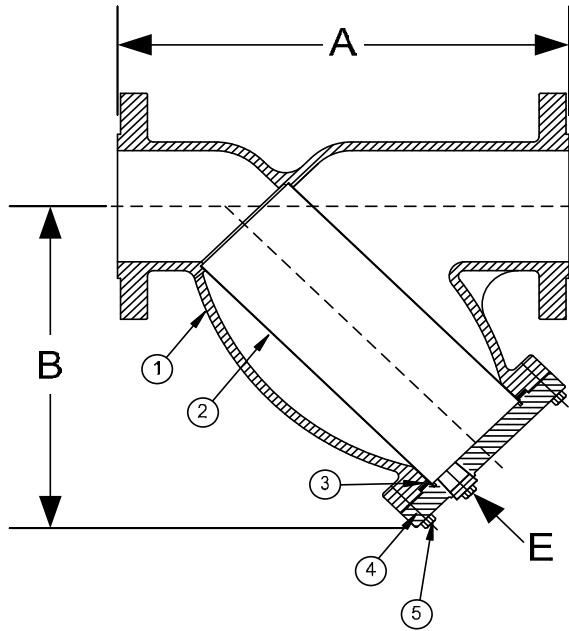
MAT'L: Cast Ductile Iron

REQ. ---

DR. BY DSF

Style SSA-7DP

Y-Strainer, 150 lb. & 300 lb. Flanged
Duplex (ASTM A 351, Grade CD4MCu)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

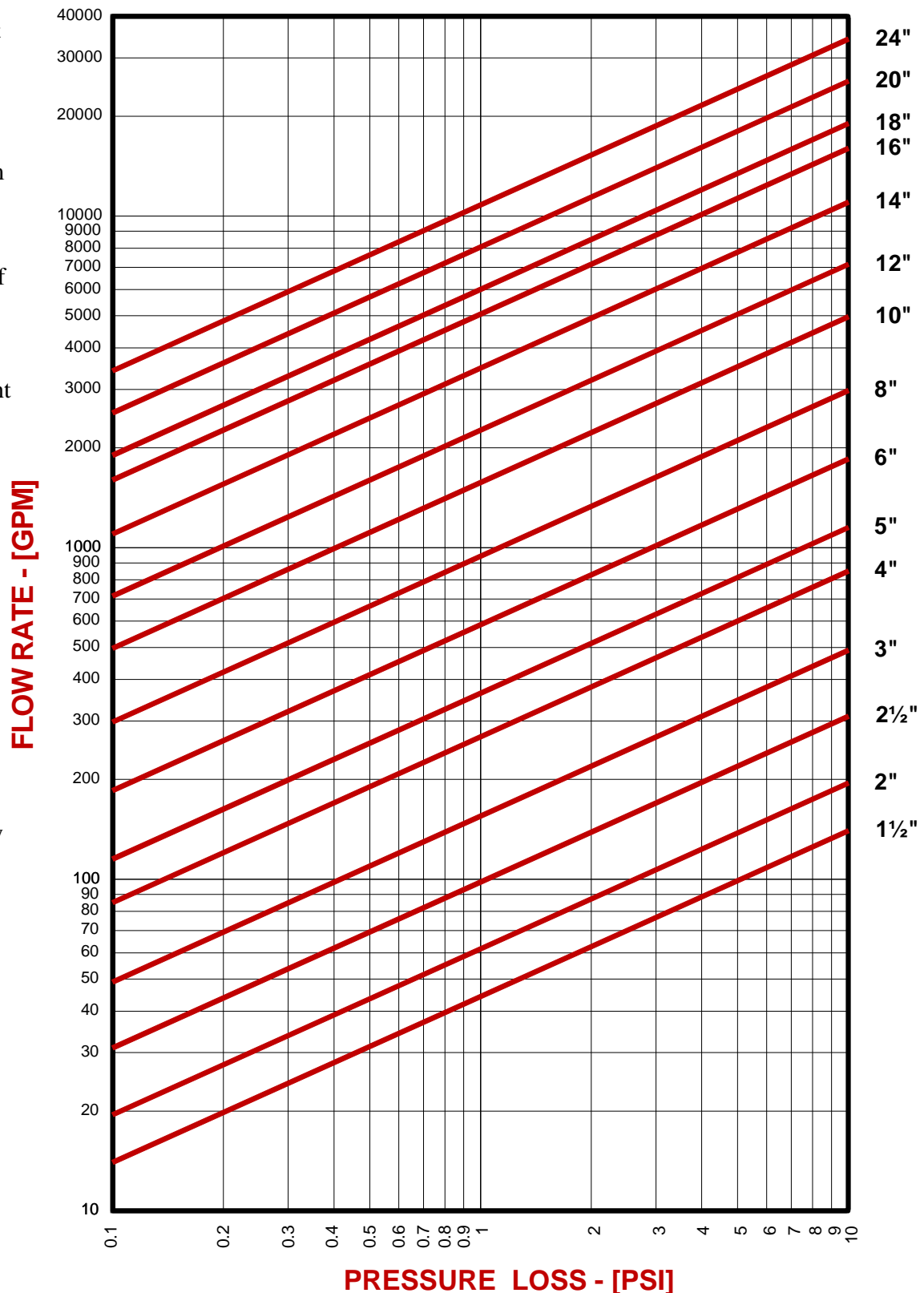
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

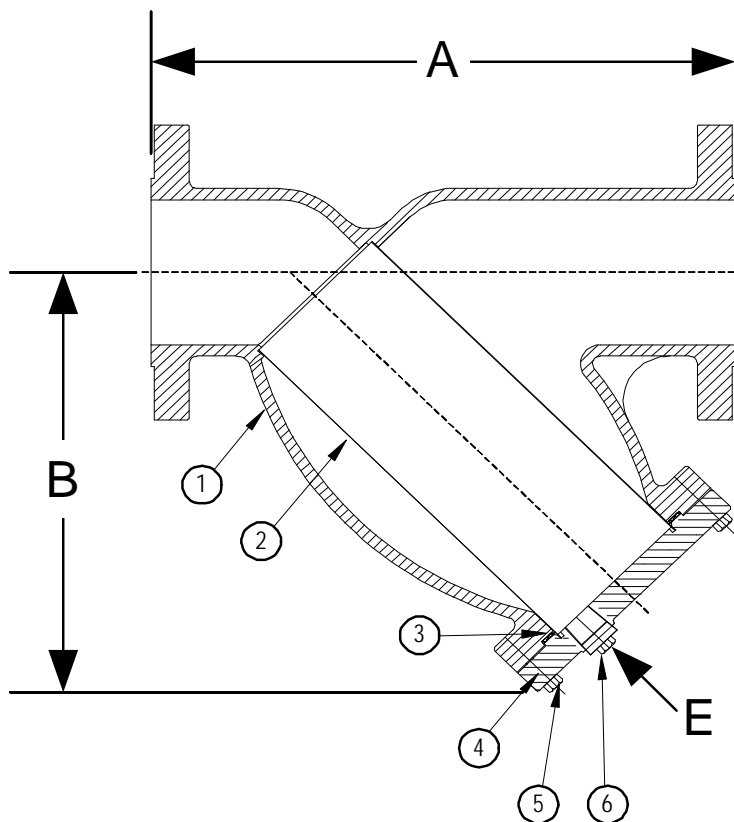
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025DP



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-DP045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-DP045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-DP045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-DP045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-DP045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-DP045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-DP045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-DP045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-DP045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-DP045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-DP045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-DP045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-DP045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-DP062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-DP062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025DP

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SSA-7IDP

SCALE: NTS

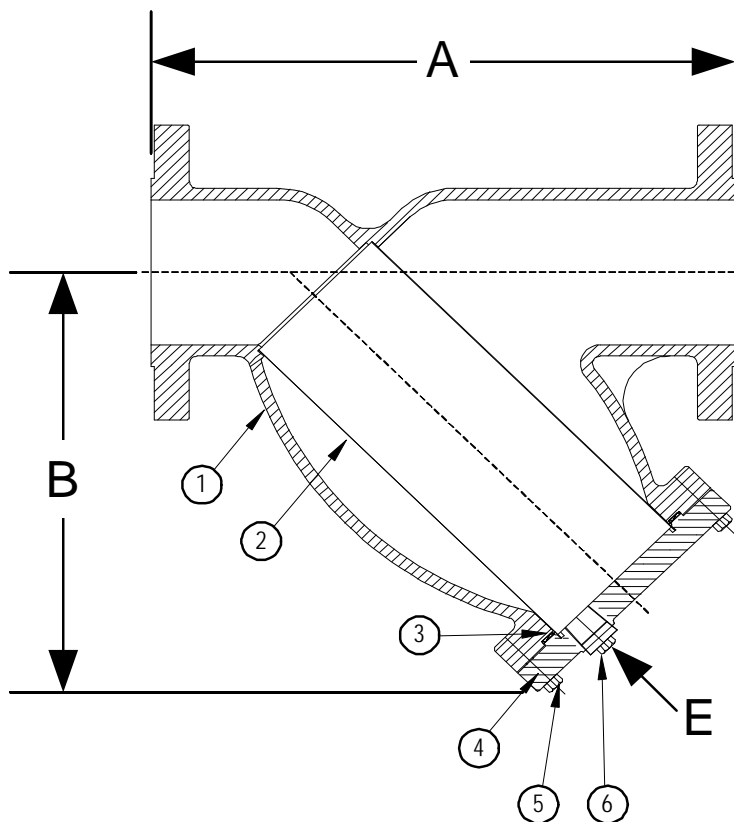
MAT'L: Duplex

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 77027DP



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-DP045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-DP045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-DP045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-DP045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-DP045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-DP045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-DP045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-DP045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-DP045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-DP045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-DP045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-DP045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-DP045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-DP062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-DP062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77027DP

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SSA-7IDP

SCALE: NTS

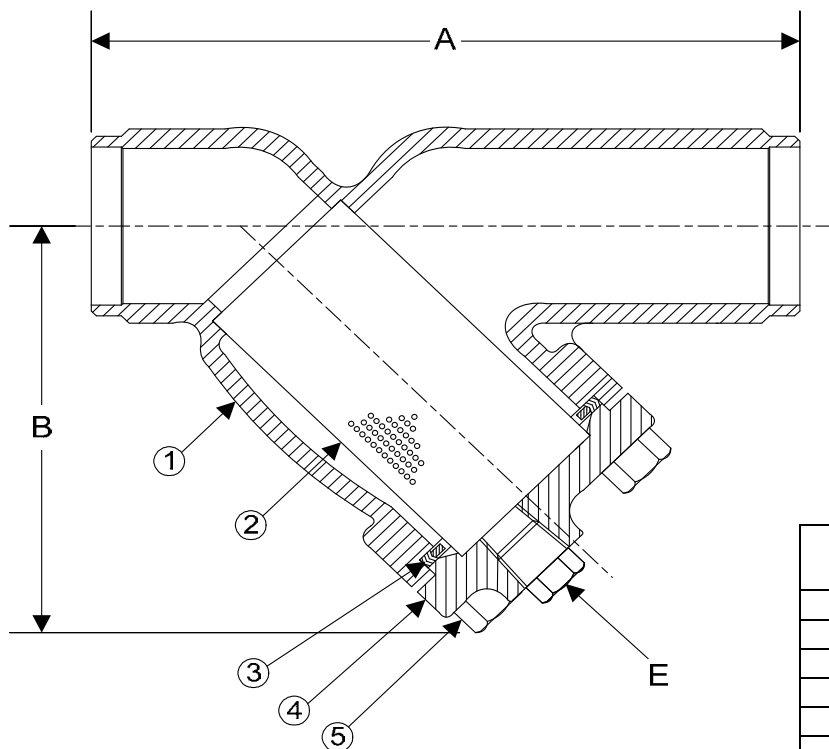
MAT'L: Duplex

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 90300DP



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-DP045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-DP045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-DP045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-DP045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-DP045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-DP045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-DP045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-DP045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-DP045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-DP045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-DP045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-DP045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-DP045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-DP062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300DP

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 150# Schd 40 Butt Weld

SCALE: NTS

Style SSA-7IDP

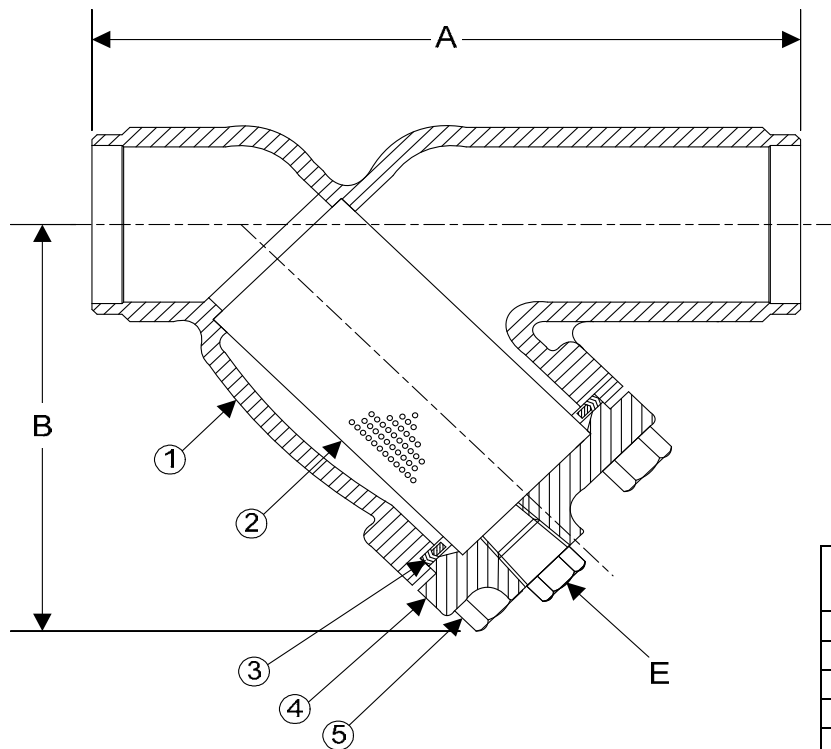
DATE: 07/01/2011

MAT'L: Duplex

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90340DP



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-DP045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-DP045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-DP045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-DP045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-DP045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-DP045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-DP045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-DP045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-DP045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-DP045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-DP045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-DP045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-DP045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-DP062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

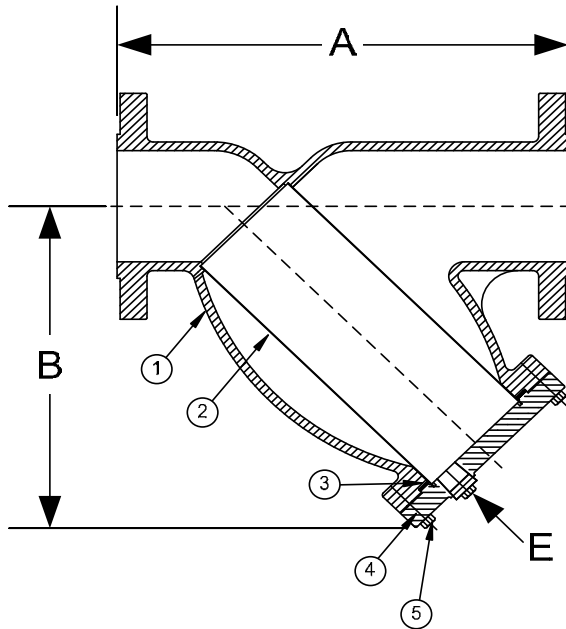
3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90340DP

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 300# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7IDP		DATE: 07/01/2011
MAT'L: Duplex	REQ. ---	DR. BY DSF

Style SSA-DP

Y-Strainer, 600 lb. Flanged
Duplex (ASTM A 351, Grade CD4MCu)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

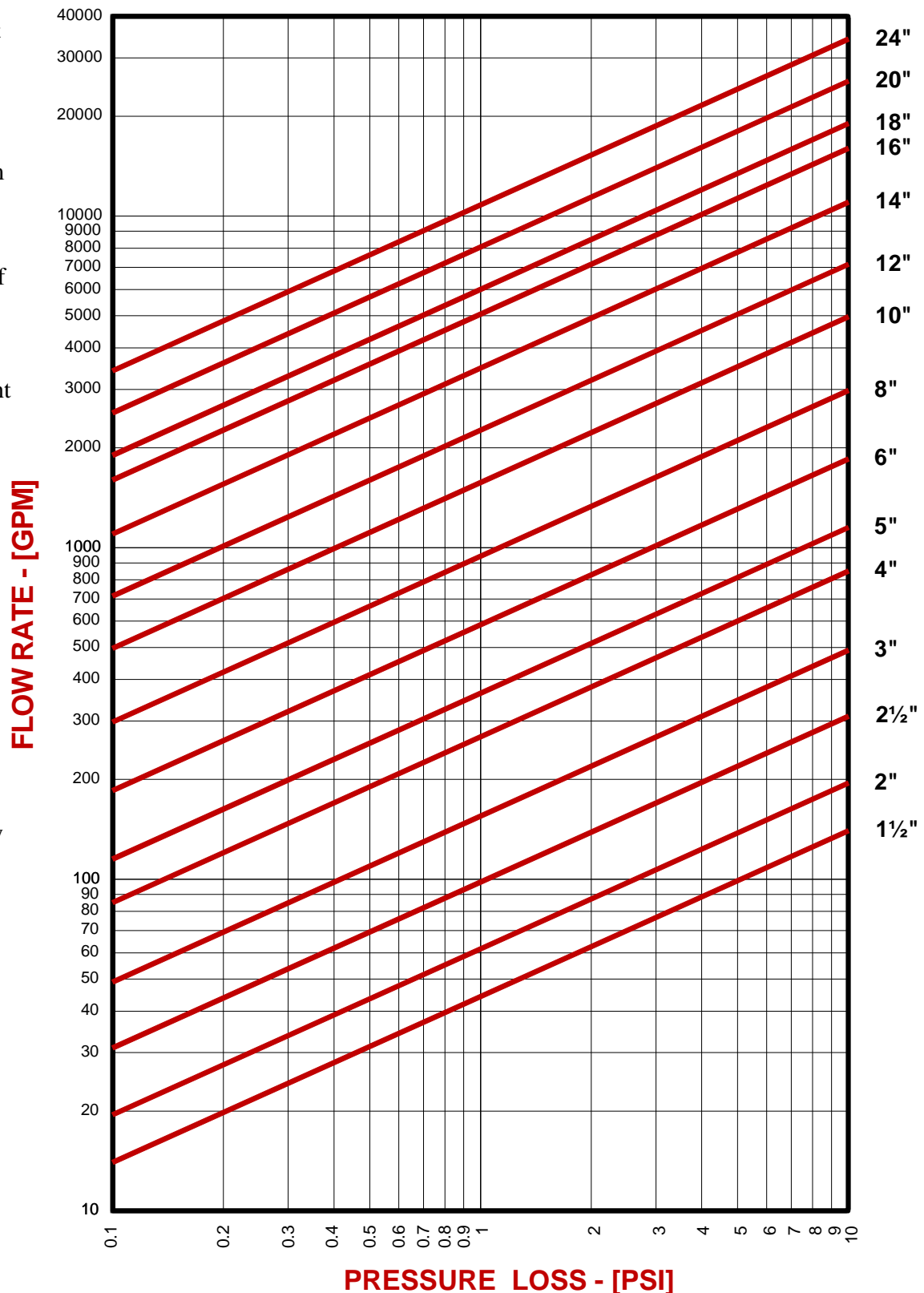
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

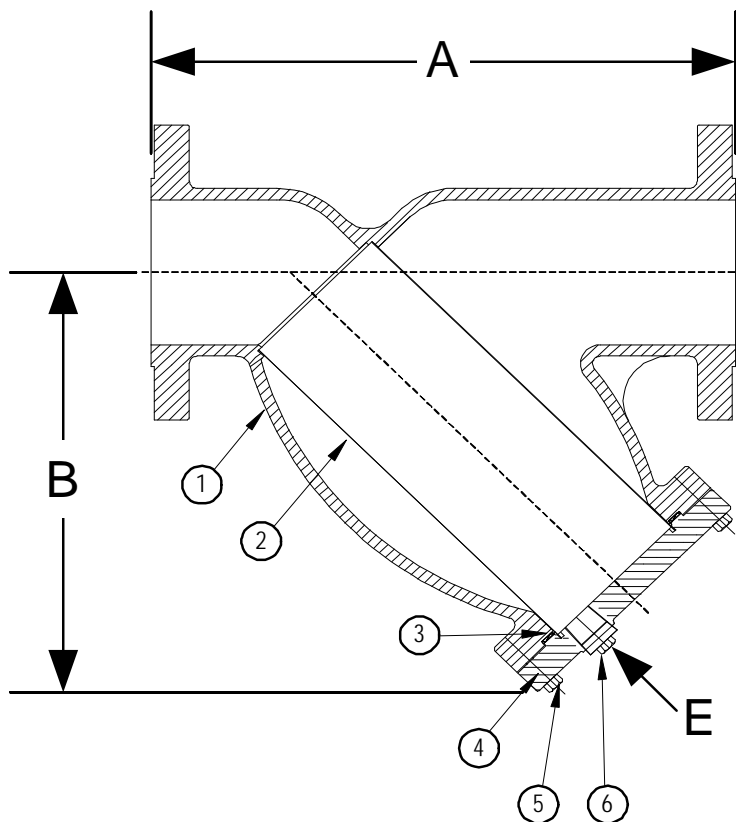
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380DP



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-DP045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-DP045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-DP045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-DP045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-DP045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-DP045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-DP045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-DP045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-DP045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-DP045P34-GB	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-DP045P34-GB	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-DP045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-DP062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90380DP

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SSA-DP

SCALE: NTS

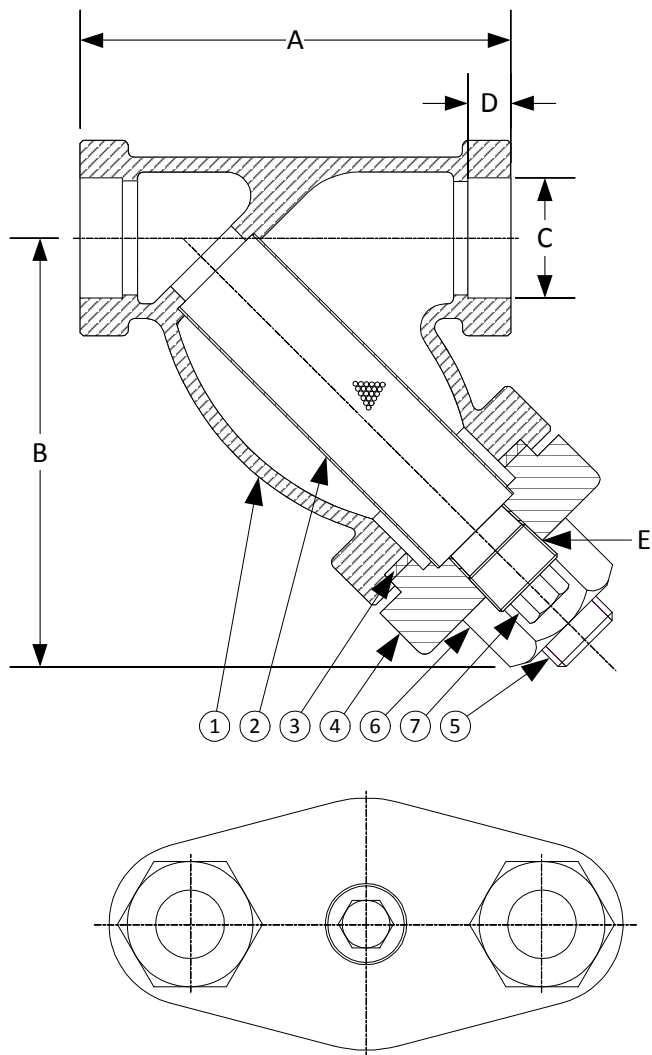
DATE: 07/01/2011

MAT'L: Duplex

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-DP045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-DP045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-DP045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-DP045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-DP045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-DP045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-DP045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-DP045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-DP045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-DP045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7BCDP

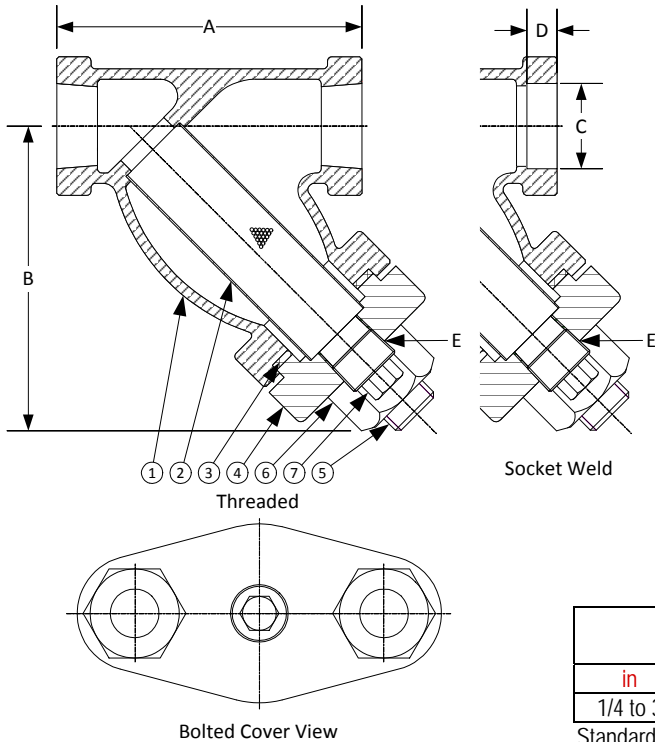
SCALE: NTS

DATE: 07/01/2011

MAT'L: Duplex

REQ. ---

DR. BY DSF



Style SSB-7BCDP

**Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover**

Duplex (ASTM A 351, Grade CD4MCu)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	DUPLEX (ASTM A 351, GRADE CD4MCu)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

*Optional Body Materials Available in Alloy 20, Hastelloy C276, Monel, and Titanium.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E		lbs	kgs
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here
For Your Free Quote](#)

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

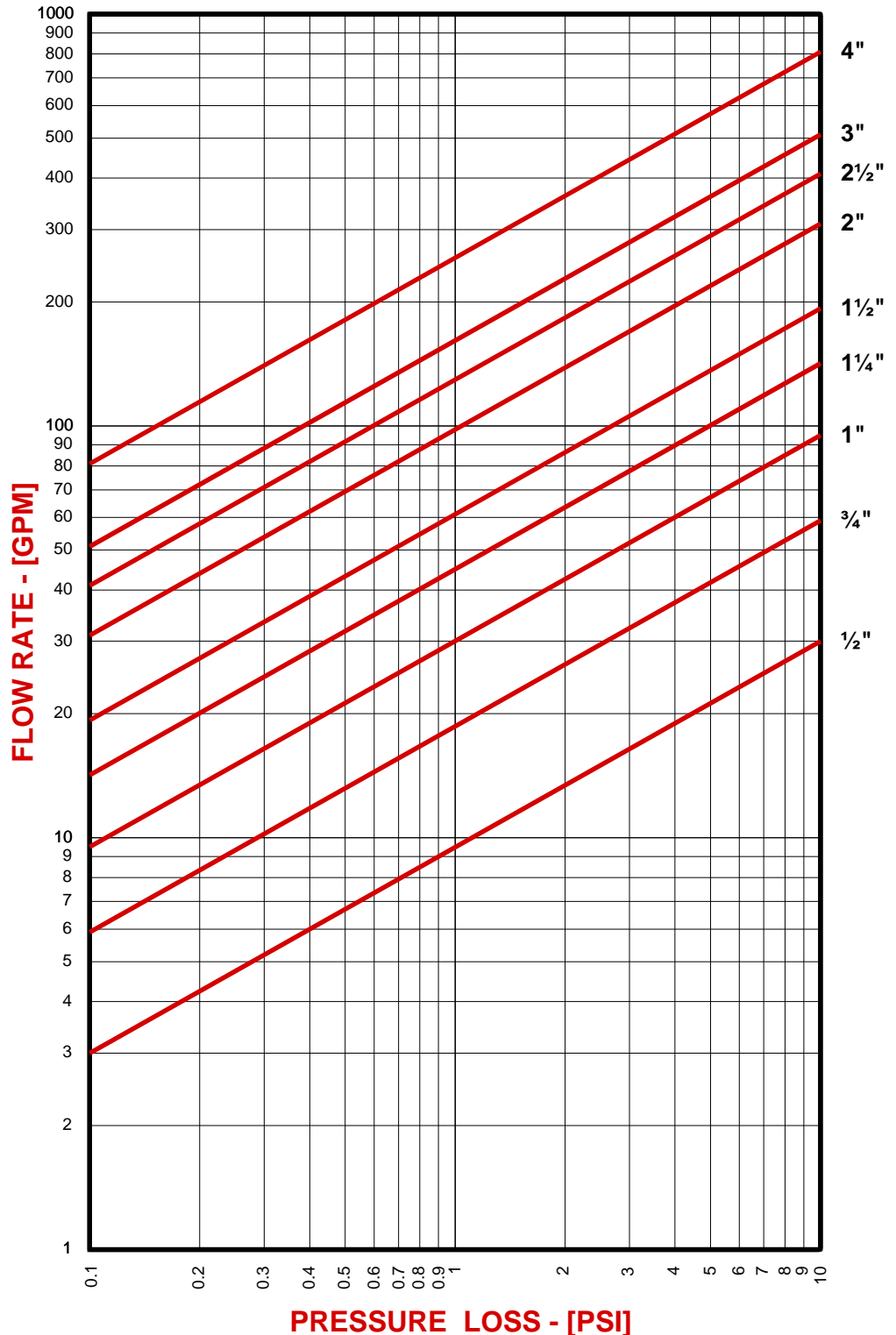
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

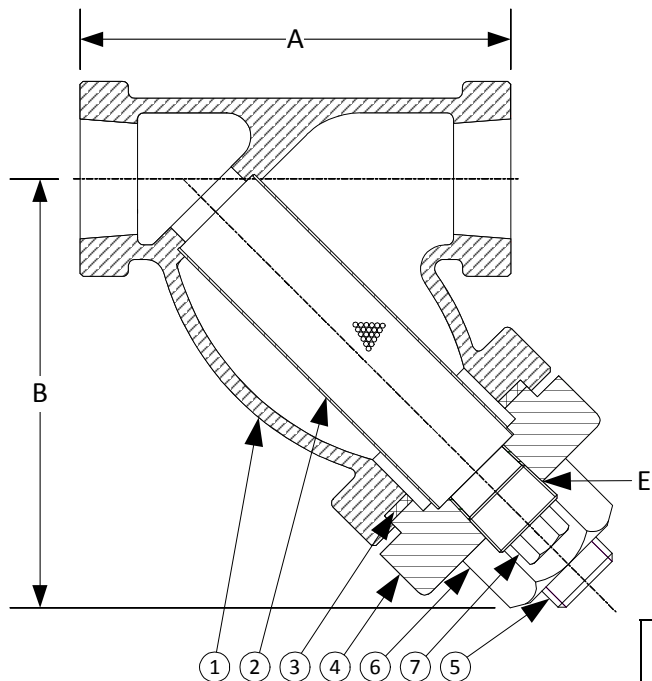
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



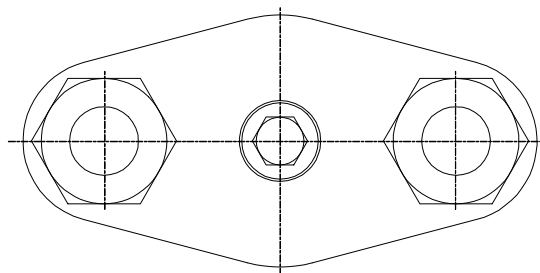
DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351 , GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	DUPLEX (ASTM A 351 , GRADE CD4MCu)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)



Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-DP045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-DP045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-DP045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-DP045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-DP045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-DP045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-DP045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-DP045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-DP045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-DP045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7BCDP

SCALE: NTS

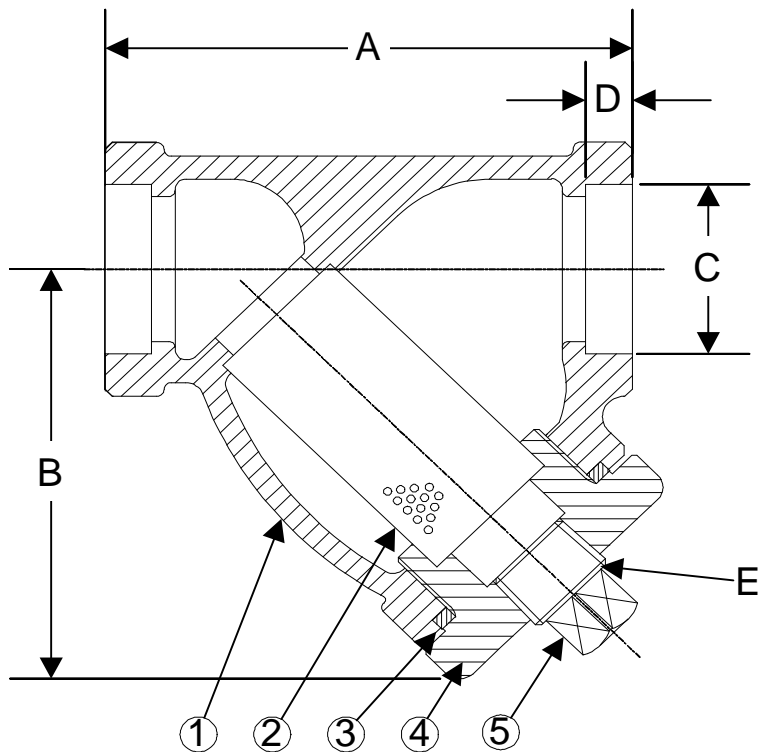
DATE: 07/01/2011

MAT'L: Duplex

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017DP



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	DUPLEX (ASTM A 351, GRADE CD4MCu)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-DP045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-DP045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-DP045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-DP045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-DP045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-DP045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-DP045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-DP045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-DP045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-DP045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017DP

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7DP

SCALE: NTS

DATE: 07/01/2011

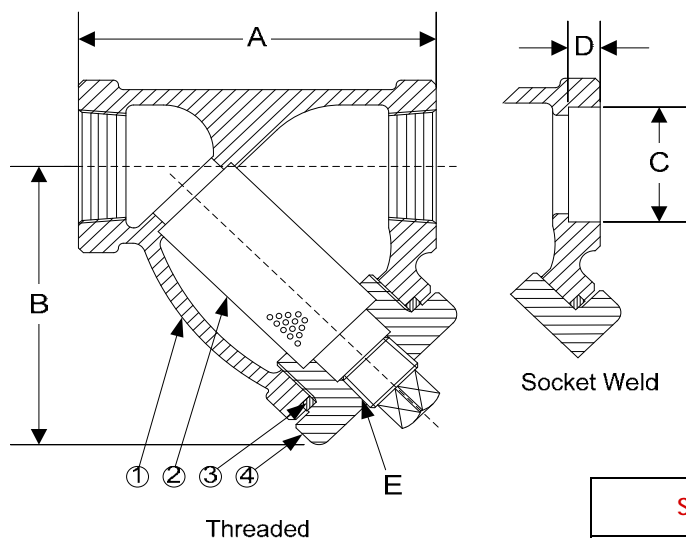
MAT'L: Duplex

REQ. ---

DR. BY DSF

Style SSB-7DP

**Y-Strainer, 600 lb. Threaded & Socket Weld
Duplex (ASTM A 351, Grade CD4MCu)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	DUPLEX (ASTM A 351, GRADE CD4MCu)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy C276, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer

Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here
For Your Free Quote](#)

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

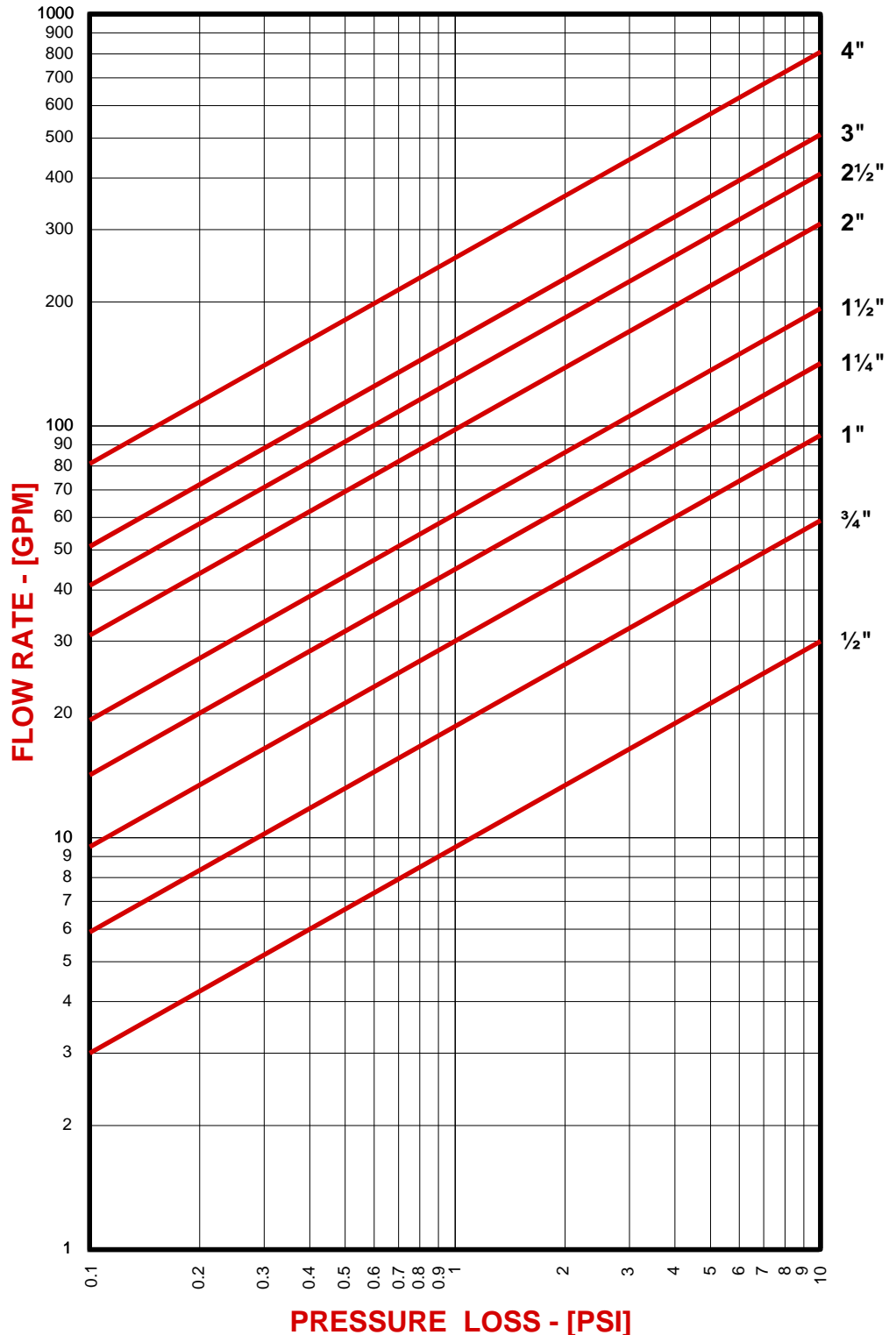
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

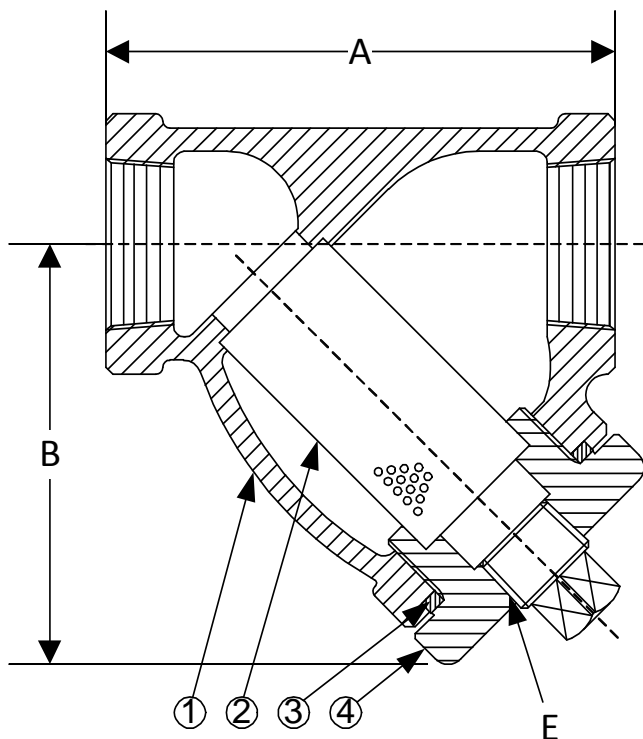
For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015

BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	DUPLEX (ASTM A 351, GRADE CD4MCu)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-DP045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-DP045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-DP045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-DP045P34-GT	3/4	3-11/16	3	3/8	5
15THY-DP045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-DP045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-DP045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-DP045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-DP045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-DP045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7DP

SCALE: NTS

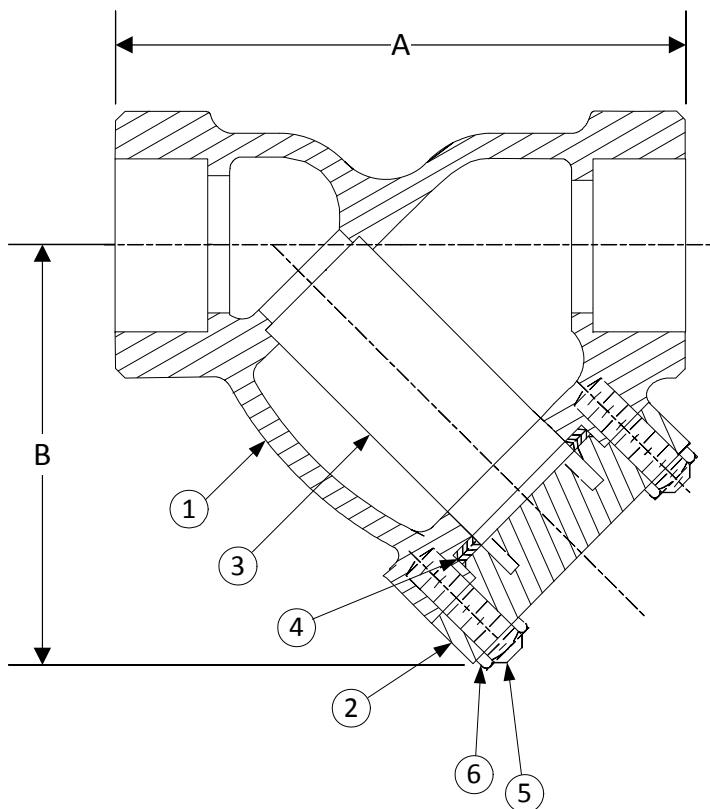
DATE: 07/01/2011

MAT'L: Duplex

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470DP



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-DP033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-DP033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-DP033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-DP033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-DP033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-DP033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-DP033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-DP033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470DP

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SSB-DP

SCALE: NTS

(Import)

DATE: 11/30/2016

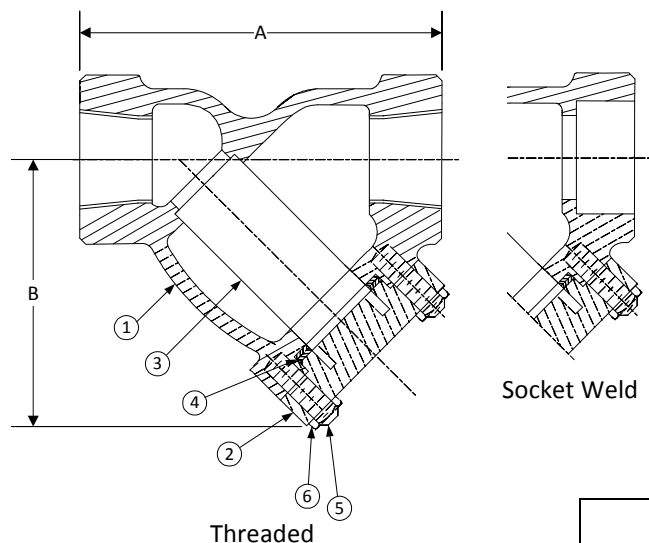
MAT'L: Duplex

REQ. ---

DR. BY DSF

Style SSB-DP

Y-Type, 1500 lb. Threaded & Socket Weld
Duplex (ASTM A 351, Grade CD4MCu)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Hastelloy C276, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

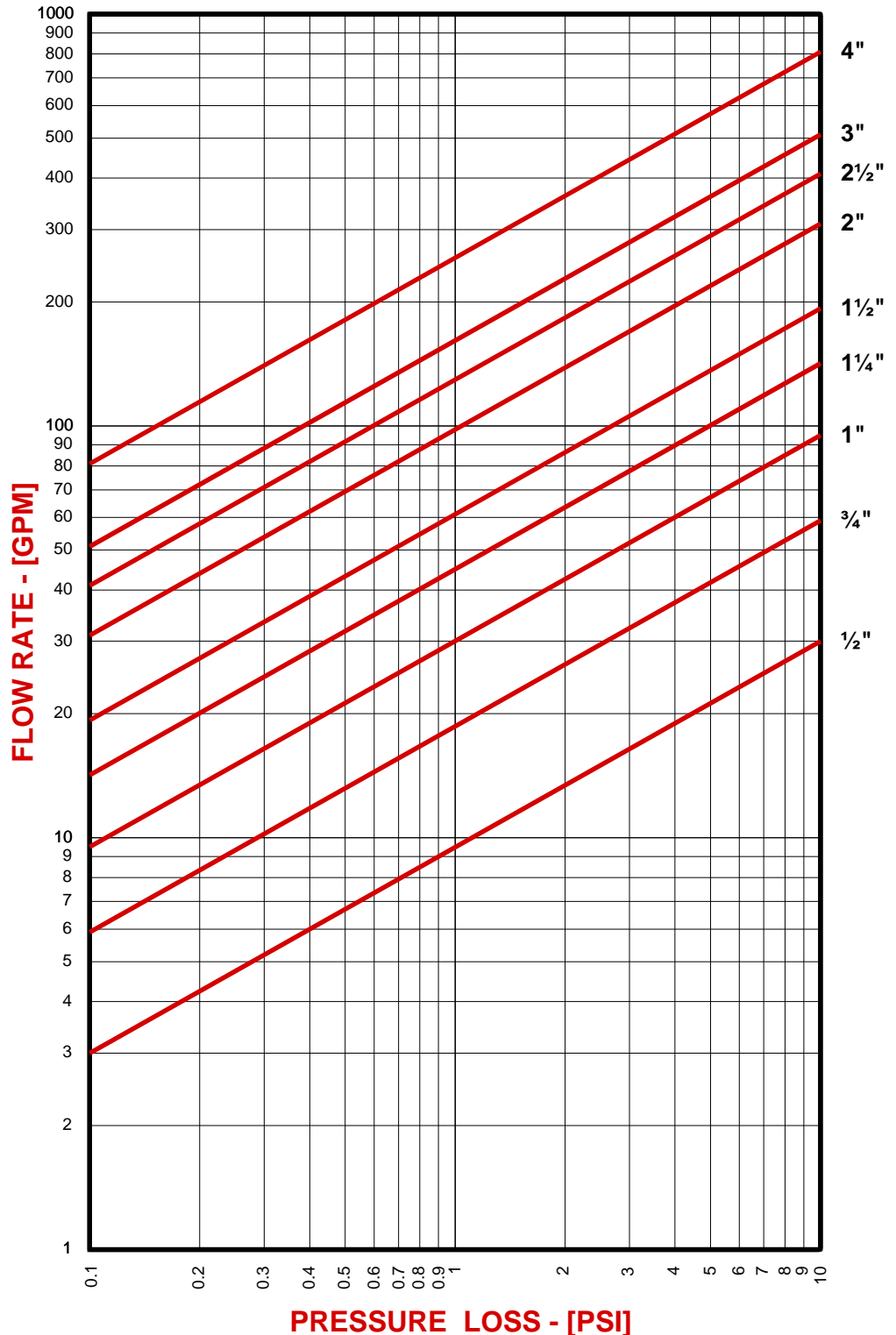
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

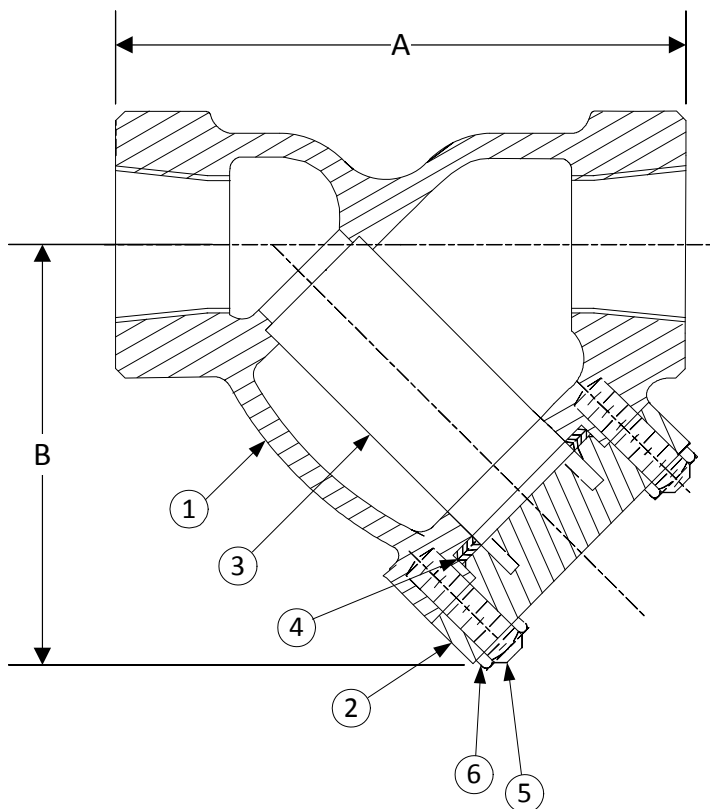
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450DP



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	DUPLEX (ASTM A 351, GRADE CD4MCu)
2	COVER	DUPLEX (ASTM A 351, GRADE CD4MCu)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-DP033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-DP033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-DP033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-DP033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-DP033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-DP033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-DP033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-DP033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90450DP

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SSB-DP

SCALE: NTS

DATE: 11/30/2016

MAT'L: Duplex

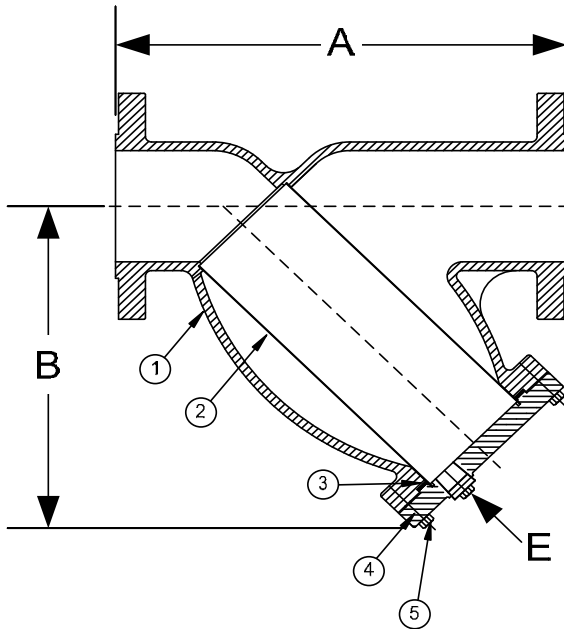
REQ. ---

DR. BY DSF

Style SSA-7HC

Y-Strainer, 150 lb. & 300 lb. Flanged

Cast Hastelloy C276 (ASTM A 494, Grade CW12MW)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

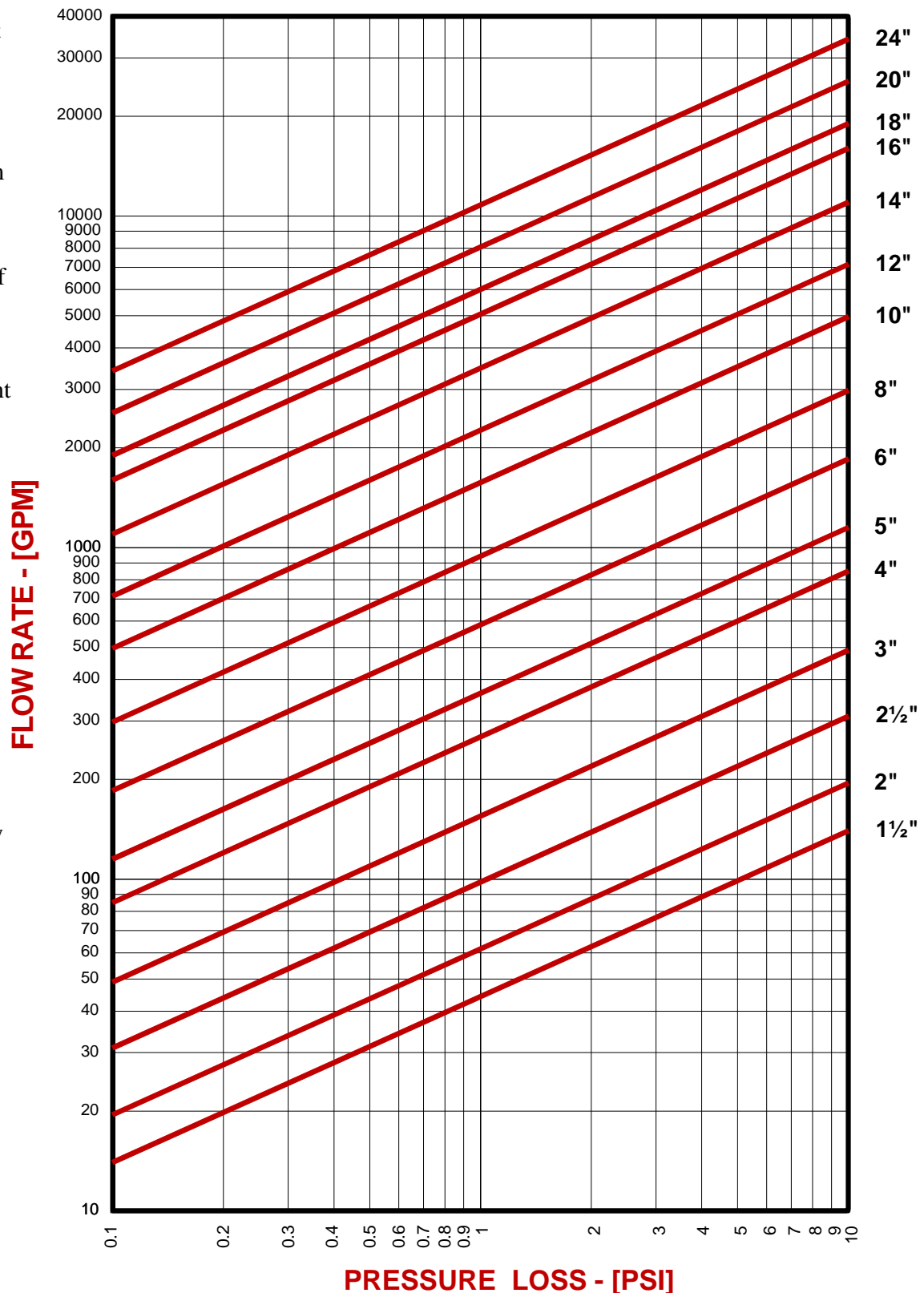
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

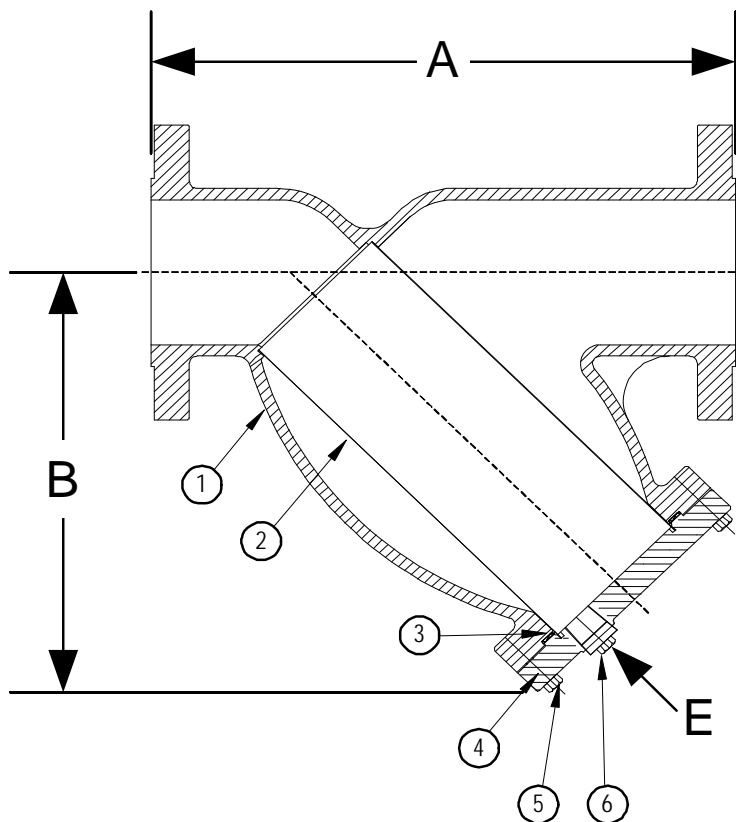
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025HC



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-HC045P34-GBI	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-HC045P34-GBI	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-HC045P34-GBI	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-HC045P34-GBI	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-HC045P34-GBI	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-HC045P34-GBI	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-HC045P34-GBI	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-HC045P34-GBI	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-HC045P34-GBI	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-HC045P34-GBI	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-HC045P34-GBI	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-HC045P34-GBI	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-HC045P34-GBI	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-HC062P34-GBI	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-HC062P34-GBI	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025HC

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SSA-7HC

SCALE: NTS

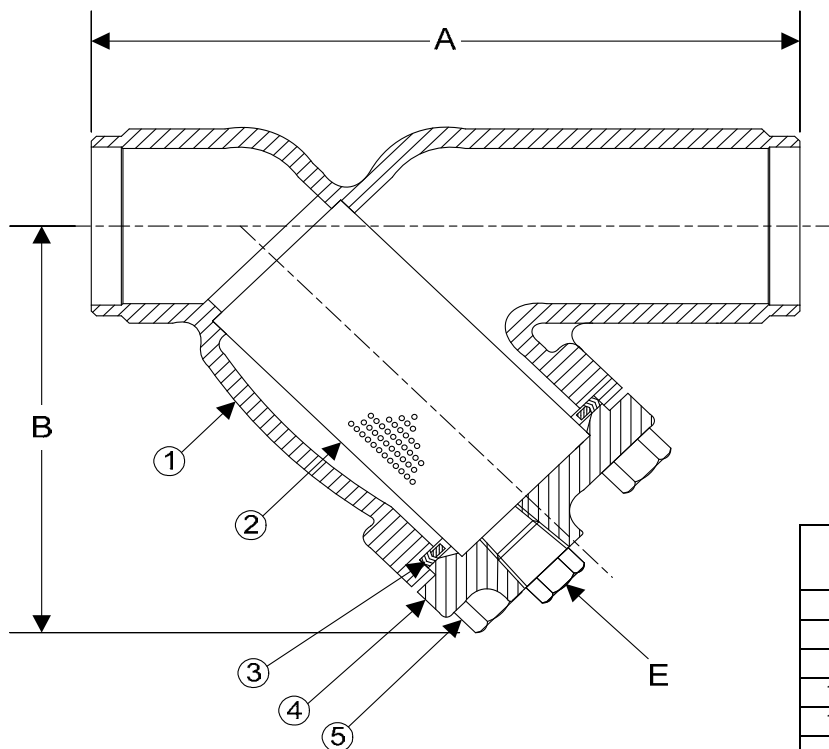
MAT'L: Cast Hastelloy C276

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 90300HC



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-HC045P34-GBI	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-HC045P34-GBI	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-HC045P34-GBI	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-HC045P34-GBI	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-HC045P34-GBI	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-HC045P34-GBI	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-HC045P34-GBI	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-HC045P34-GBI	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-HC045P34-GBI	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-HC045P34-GBI	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-HC045P34-GBI	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-HC045P34-GBI	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-HC045P34-GBI	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-HC062P34-GBI	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

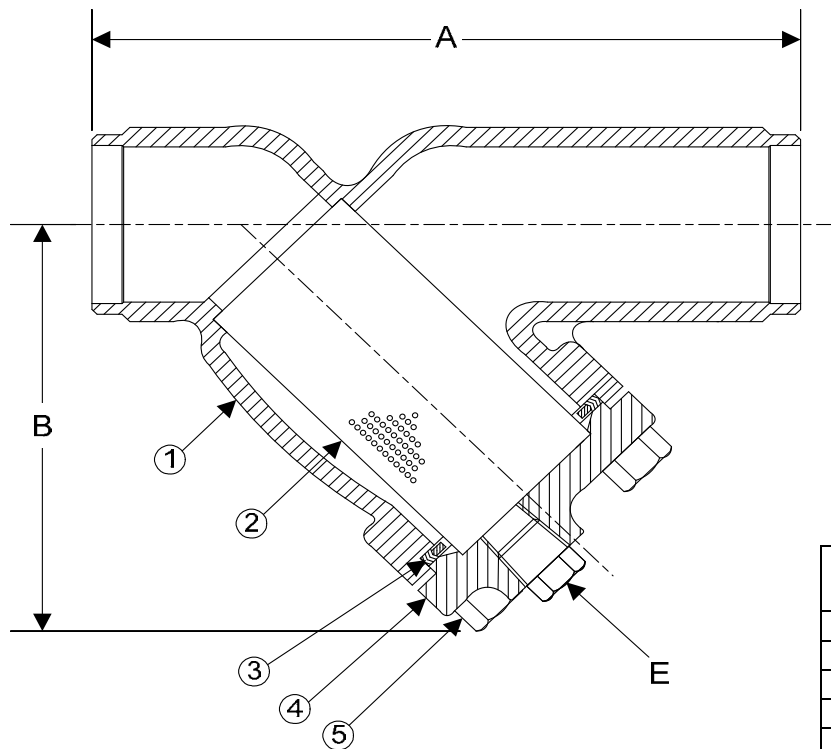
KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300HC

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 150# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7HC		DATE: 07/01/2011
MAT'L: Cast Hastelloy C276	REQ. ---	DR. BY DSF

DRAWING NO.
AL 90340HC



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-HC045P34-GBI	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-HC045P34-GBI	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-HC045P34-GBI	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-HC045P34-GBI	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-HC045P34-GBI	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-HC045P34-GBI	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-HC045P34-GBI	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-HC045P34-GBI	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-HC045P34-GBI	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-HC045P34-GBI	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-HC045P34-GBI	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-HC045P34-GBI	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-HC045P34-GBI	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-HC062P34-GBI	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90340HC

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 300# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7HC		DATE: 07/01/2011
MAT'L: Cast Hastelloy C276	REQ. ---	DR. BY DSF

Style SSA-HC

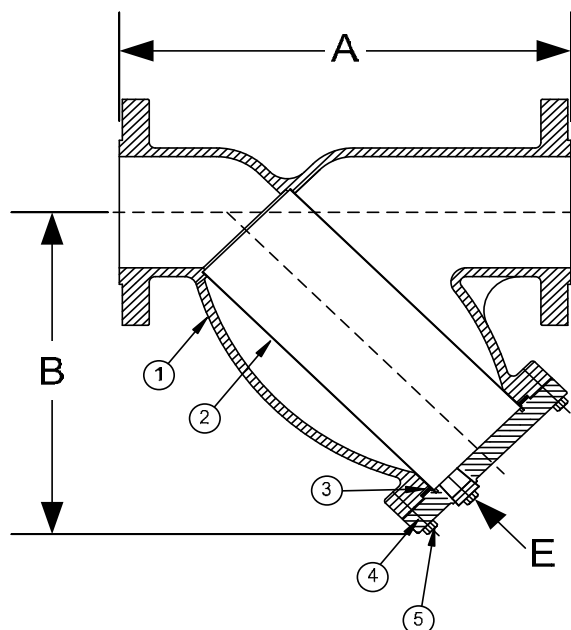
Y-Strainer, 600 lb. Flanged

Cast Hastelloy C276 (ASTM A 494, Grade CW12MW)

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1*	BODY	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.



STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

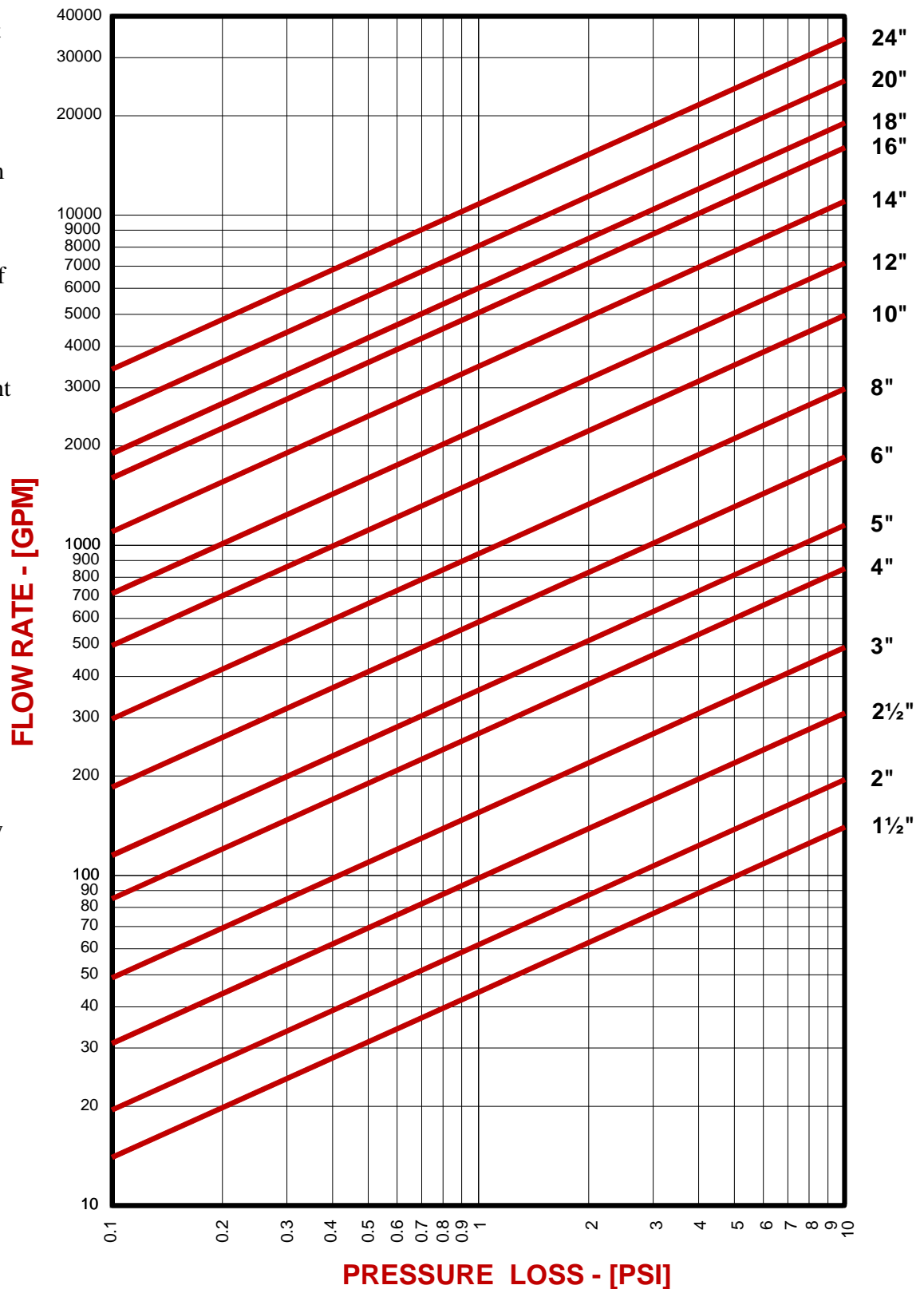
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

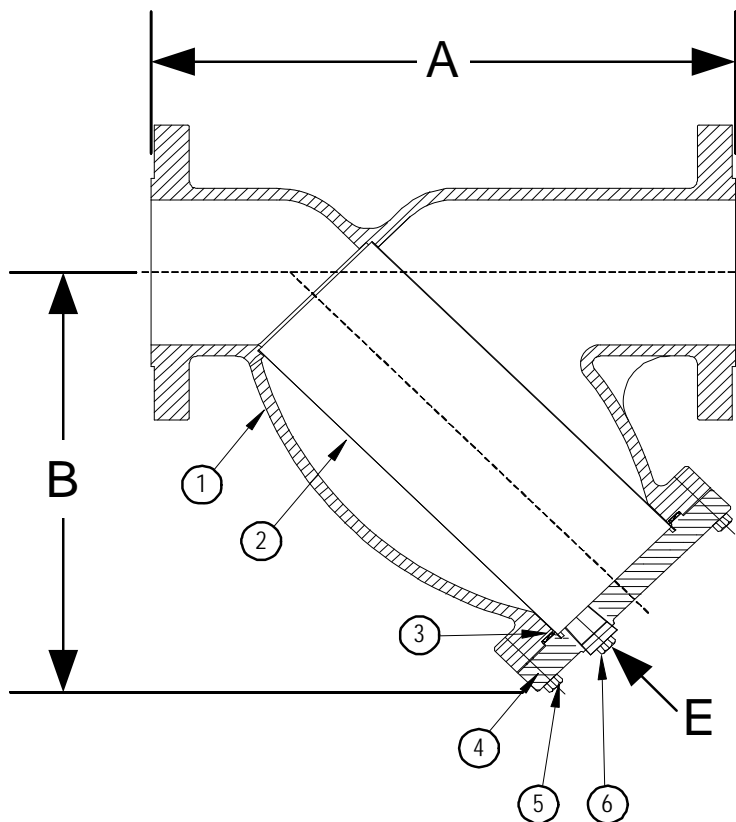
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380HC



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-HC045P34-GBI	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-HC045P34-GBI	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-HC045P34-GBI	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-HC045P34-GBI	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-HC045P34-GBI	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-HC045P34-GBI	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-HC045P34-GBI	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-HC045P34-GBI	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-HC045P34-GBI	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-HC045P34-GBI	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-HC045P34-GBI	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-HC045P34-GBI	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-HC062P34-GBI	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90380HC

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SSA-HC

SCALE: NTS

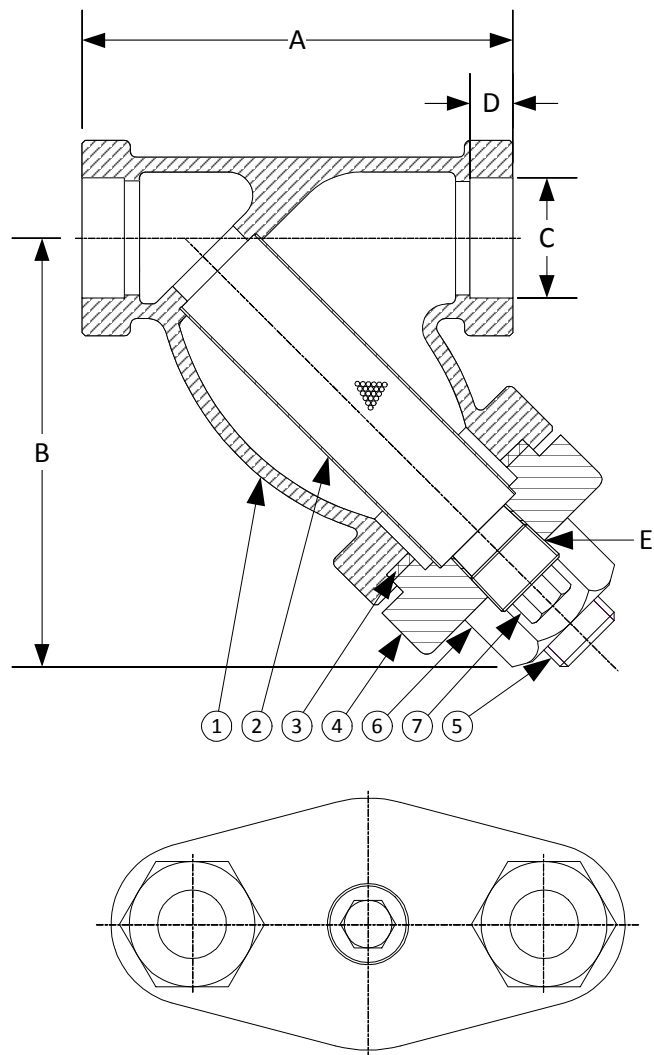
DATE: 07/01/2011

MAT'L: Cast Hastelloy C276

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-HC045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-HC045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-HC045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-HC045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-HC045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-HC045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-HC045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-HC045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-HC045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-HC045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7BCHC

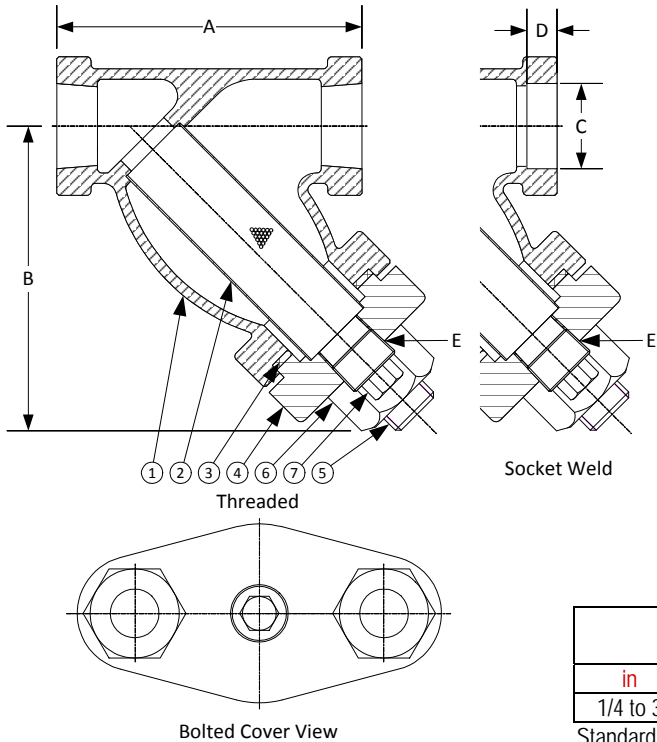
SCALE: NTS

MAT'L: Hastelloy C276

REQ. ---

DATE: 07/01/2011

DR. BY DSF



Style SSB-7BCHC

**Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover**

Hastelloy C276 (ASTM A 494, Grade CW12MW)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

*Optional Body Materials Available in Alloy 20, Monel, Titanium, and Duplex.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E		lbs	kgs
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

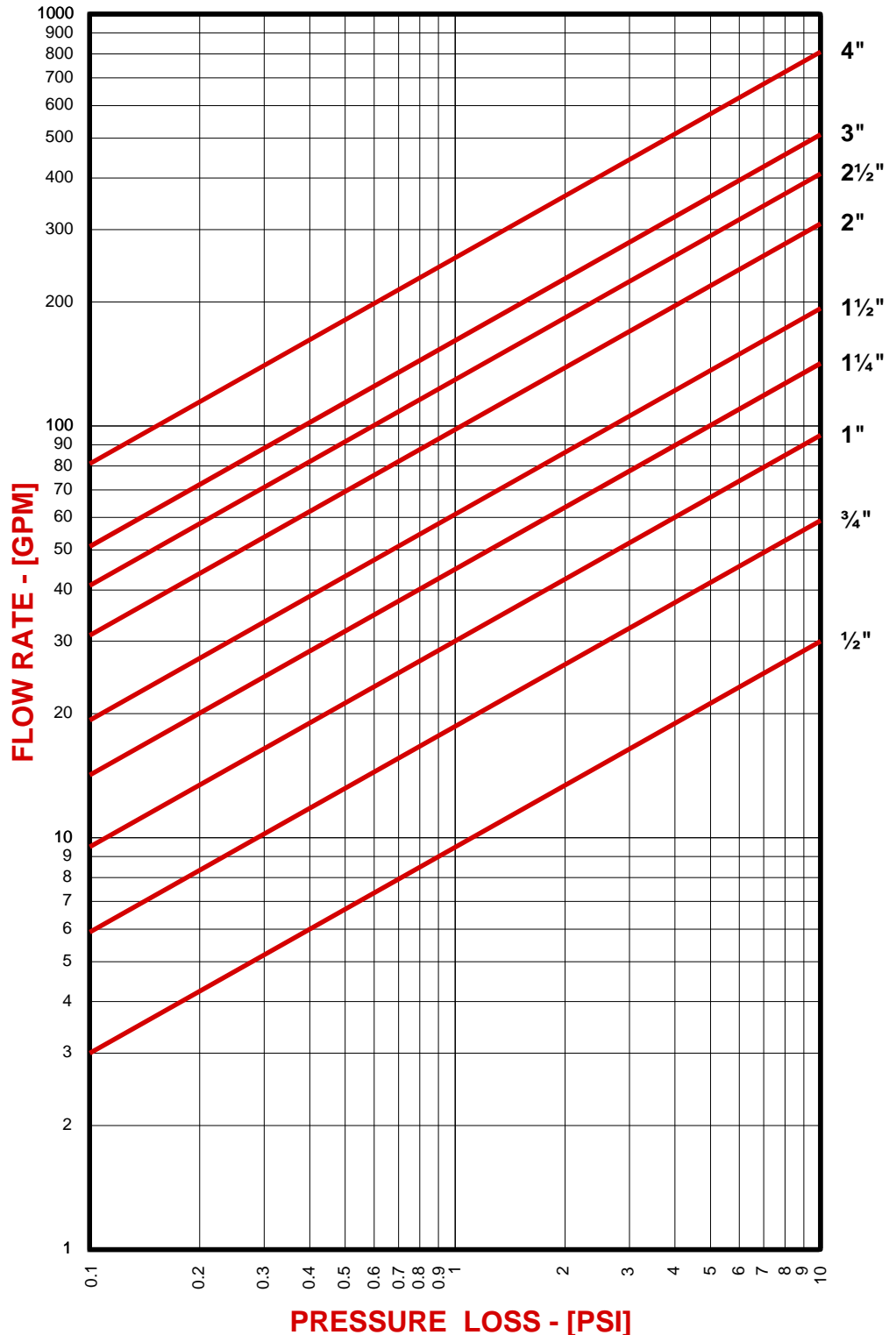
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

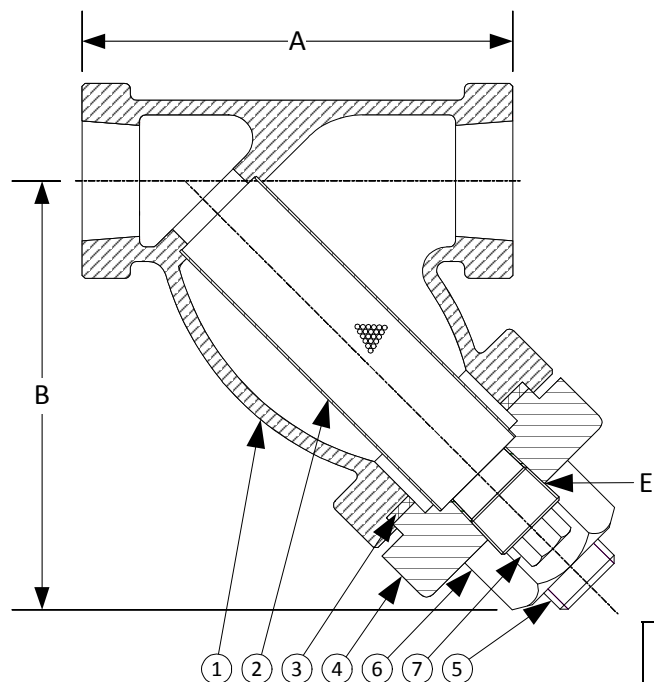
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-HC045P34-GBI	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-HC045P34-GBI	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-HC045P34-GBI	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-HC045P34-GBI	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-HC045P34-GBI	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-HC045P34-GBI	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-HC045P34-GBI	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-HC045P34-GBI	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-HC045P34-GBI	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-HC045P34-GBI	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7BCHC

SCALE: NTS

(Import)

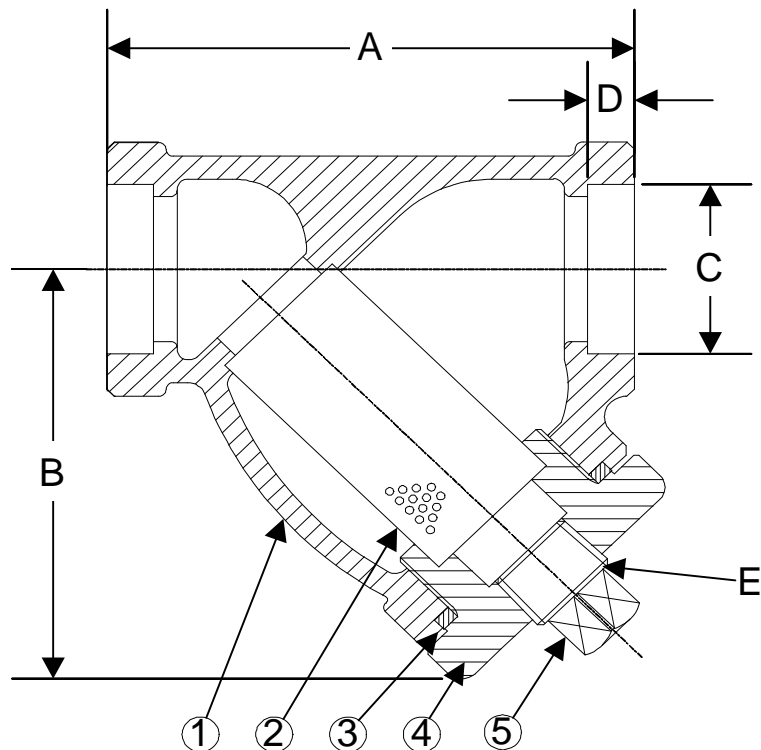
DATE: 07/01/2011

MAT'L: Hastelloy C276

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017HC



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-HC045P34-GTI	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-HC045P34-GTI	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-HC045P34-GTI	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-HC045P34-GTI	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-HC045P34-GTI	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-HC045P34-GTI	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-HC045P34-GTI	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-HC045P34-GTI	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-HC045P34-GTI	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-HC045P34-GTI	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017HC

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7HC

SCALE: NTS

DATE: 07/01/2011

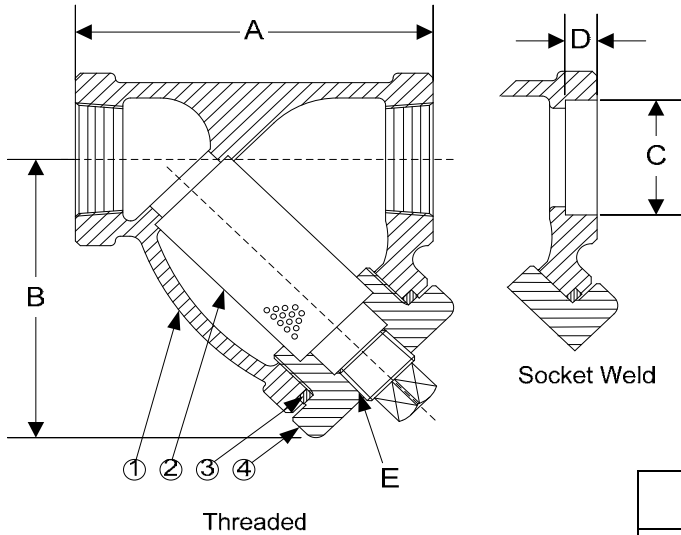
MAT'L: Cast Hastelloy C276

REQ. ---

DR. BY DSF

Style SSB-7HC

Y-Strainer, 600 lb. Threaded & Socket Weld
Cast Hastelloy C276 (ASTM A 494, Grade CW12MW)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
			in	mm		in	mm	
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer

Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

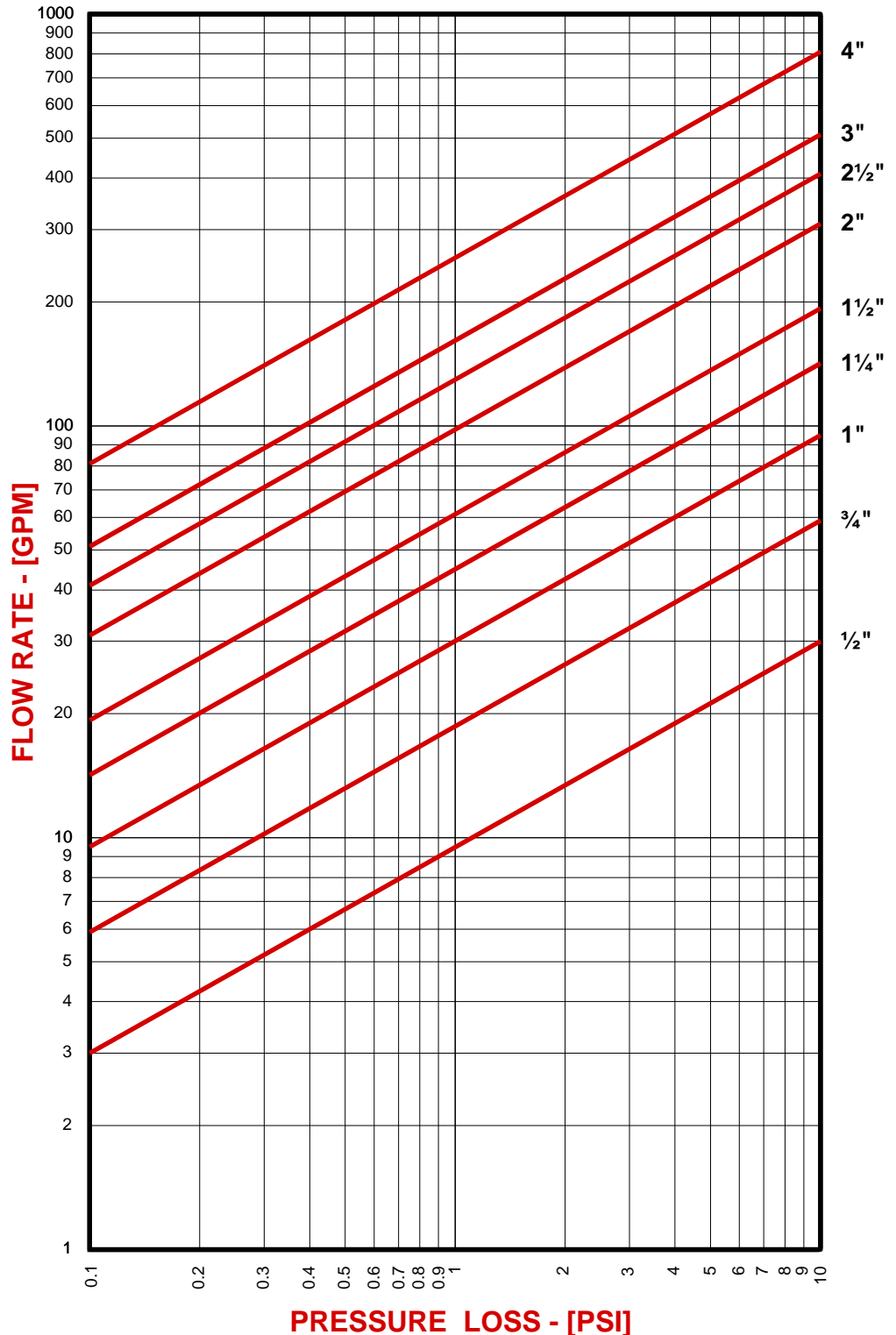
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

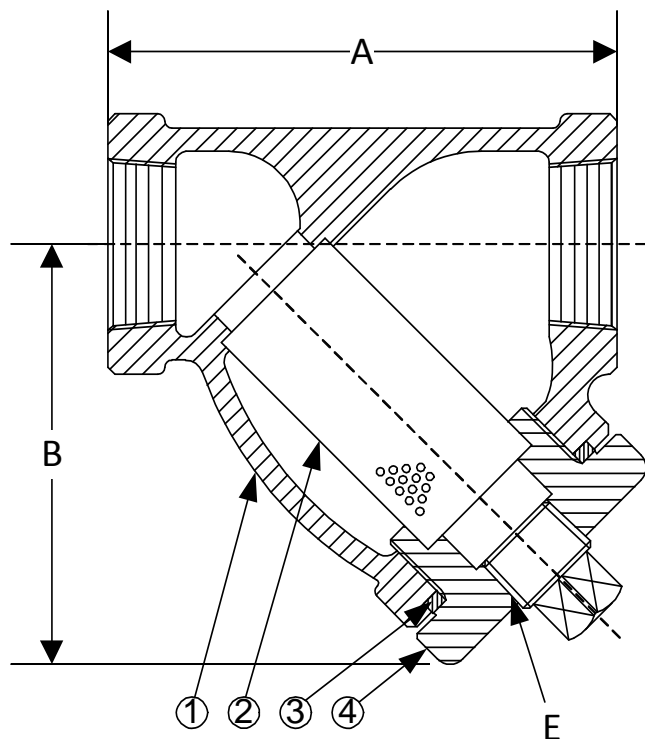
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015HC



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-HC045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-HC045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-HC045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-HC045P34-GT	3/4	3-11/16	3	3/8	5
15THY-HC045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-HC045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-HC045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-HC045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-HC045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-HC045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015HC

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7HC

SCALE: NTS

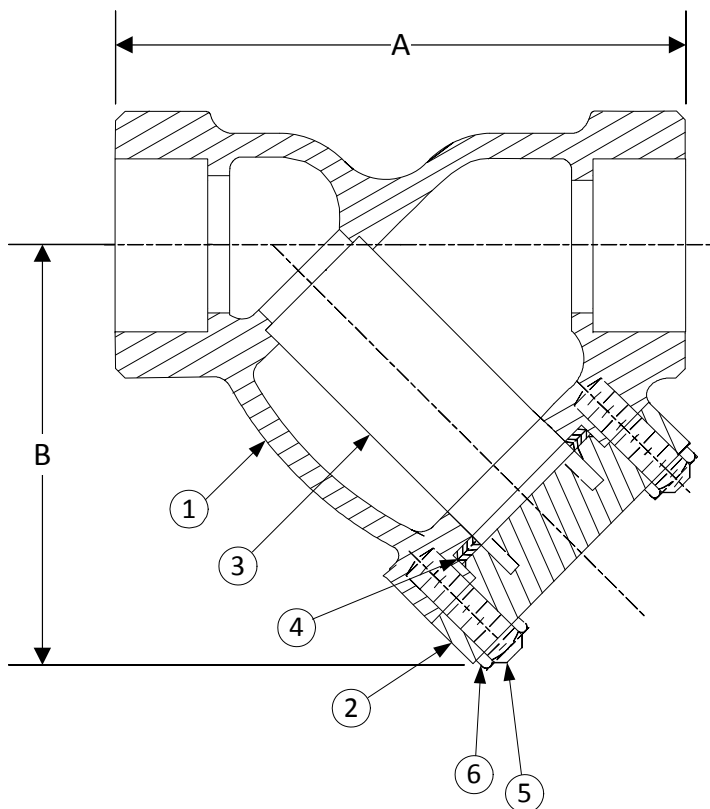
DATE: 07/01/2011

MAT'L: Cast Hastelloy C276

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470HC



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1,500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-HC033P34-GBI	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-HC033P34-GBI	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-HC033P34-GBI	1	5	5	4	3/4-10 x 2-1/2	15
11/47SWY-HC033P34-GBI	1-1/4	8-3/8	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-HC033P34-GBI	1-1/2	8-3/8	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-HC033P34-GBI	2	9-5/16	7-3/8	4	5/8-11 x 3-1/4	30
21/27SWY-HC033P34-GBI	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-HC033P34-GBI	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470HC

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1,500# Socket Weld Style SSB-HC

SCALE: NTS

DATE: 07/01/2011

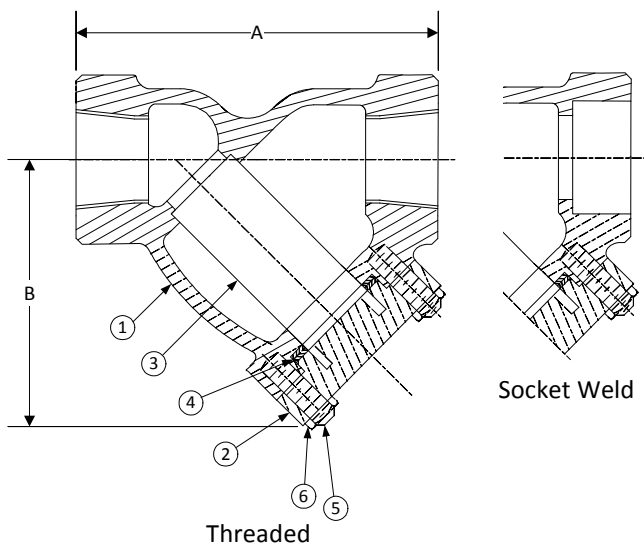
MAT'L: Cast Hastelloy C276

REQ. ---

DR. BY DSF

Style SSB-HC

Y-Type, 1500 lb. Threaded & Socket Weld
Cast Hastelloy C276 (ASTM A 494, Grade CW12MW)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

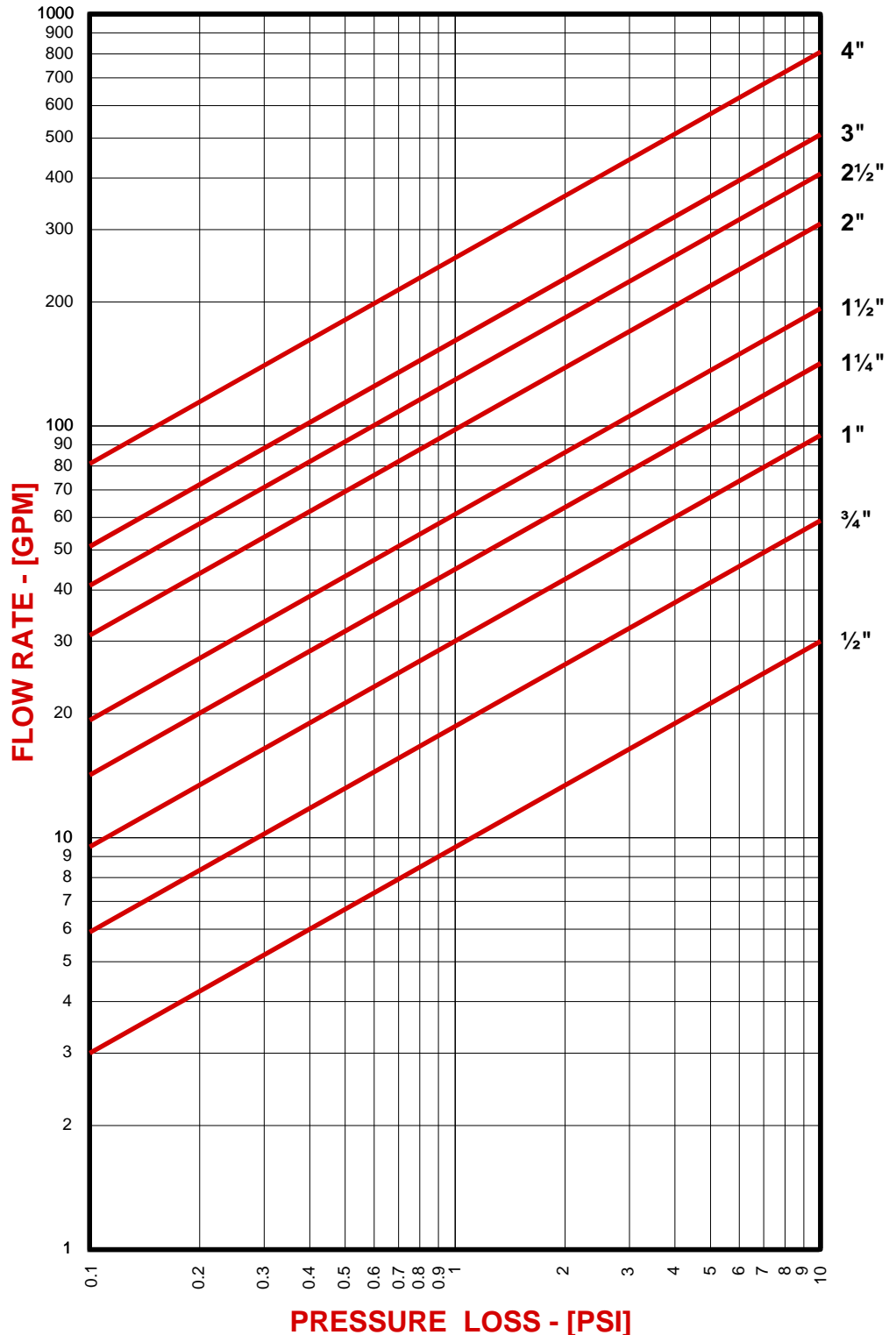
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

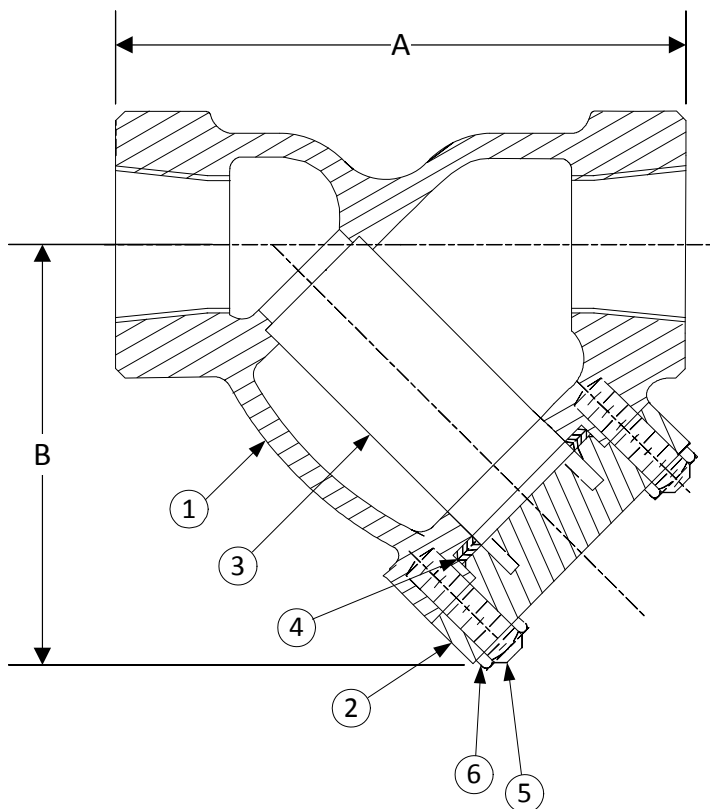
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450HC



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1,500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
2	COVER	CAST HASTELLOY C276 (ASTM A 494, GRADE CW12MW)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-HC033P34-GBI	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-HC033P34-GBI	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-HC033P34-GBI	1	5	5	4	3/4-10 x 2-1/2	15
11/47THY-HC033P34-GBI	1-1/4	8-3/8	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-HC033P34-GBI	1-1/2	8-3/8	5-1/2	4	5/8-11 x 2-3/4	22
27THY-HC033P34-GBI	2	9-5/16	7-3/8	4	5/8-11 x 3-1/4	30
21/27THY-HC033P34-GBI	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-HC033P34-GBI	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90450HC

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1,500# Threaded Style SSB-HC

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Hastelloy C276

REQ. ---

DR. BY DSF

Style BA-7

Y-Strainer

Nickel Aluminum Bronze
(ASTM B 148, C95800)

150 lb. & 300 lb. Flanged



Cast Nickel Aluminum Bronze Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style BA-7 strainers are constructed from rugged nickel aluminum bronze castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.24. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style BA-7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is spiral wound 316 stainless steel and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style BA-7 strainers have cap screws and can be furnished with a brass blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

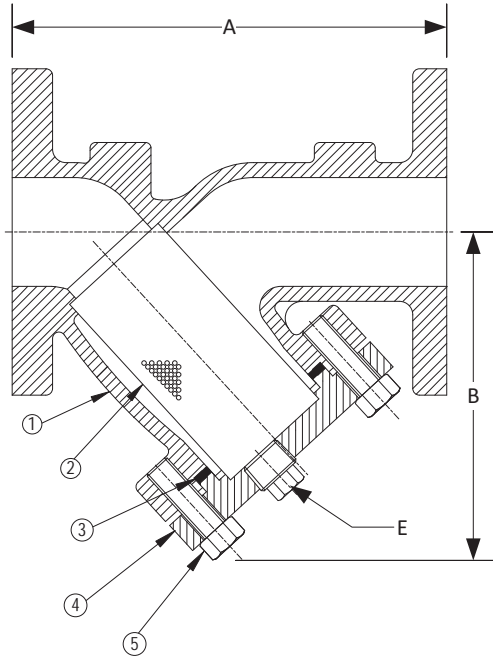
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 225°F	1034 KPa @ 107°C
	W.O.G.	195 PSI @ 100°F	1344 KPa @ 38°C
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
300# F.F. & D. (EX. HEAVY FLANGE)	STEAM	360 PSI @ 500°F	2482 KPa @ 260°C
	W.O.G.	515 PSI @ 100°F	3551 KPa @ 38°C

Style BA-7

Y-Strainer, 150 lb. & 300 lb. Flanged

Cast Nickel Aluminum Bronze (ASTM B 148, C95800)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Nickel Aluminum Bronze (ASTM B 148, C95800)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Nickel Aluminum Bronze (ASTM B 148, C95800)
5	Cap Screw	Stainless Steel (ASTM A 193, Grade B8)

Optional: Blow-off Plug, Brass.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
			FOR STEAM		FOR LIQUID	
in	mm		in	mm	AREA	OPEN AREA
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16 1.6 30%
5 to 10	125 to 250	22	3/64	1.2	33%	1/8 3.2 43%
12	300	22	1/16	1.6	30%	1/8 3.2 43%

Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	5-7/8	149	6	152	3-1/4	83	3-1/4	83	3/8	10	7	3.18	12	5.4
3/4	20	7-3/8	187	7-13/16	198	3-3/4	95	3-3/4	95	1/2	15	11	4.99	18	8.1
1	25	7-3/8	187	7-13/16	198	4-5/16	110	3-5/8	92	1/2	15	11	4.99	18	8.1
1-1/4	32	6-5/8	168	8	203	4-5/16	110	4-1/2	114	1/2	15	12	5.44	26	11
1-1/2	40	6-11/16	170	8-1/8	206	4-5/16	110	4-3/4	121	1/2	15	14	6.00	26	11
2	50	7-7/8	200	9	229	5-1/4	133	6	152	1/2	15	18	8.16	28	12.7
2-1/2	65	9-3/4	248	10-5/8	270	6-1/2	165	7-3/8	187	1	20	37	16.34	48	21
3	80	10	254	12-1/2	318	7	178	9-1/16	230	1-1/4	32	40	18.06	75	34
4	100	12-1/8	308	15-1/8	384	8-1/4	210	10-7/8	276	1-1/2	40	67	30.20	110	50
5	125	15-1/2	394	18-5/8	479	11-1/4	286	13-9/16	344	2	50	99	44.52	164	74
6	150	18-1/2	470	19-1/8	486	13-1/2	343	15-7/8	403	2	50	134	60.48	212	96
8	200	24	610	25-3/16	640	16-1/2	413	16-1/2	413	2	50	229	103.45	359	163
10	250	27-5/8	702	29-1/8	740	19-3/8	492	19-3/8	492	2	50	397	180.03	493	224
12	300	32-1/2	826	34	864	22-5/8	575	22-5/8	575	2	50	532	240.89	938	425

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

¹This table reflects only the nearest metric equivalents.

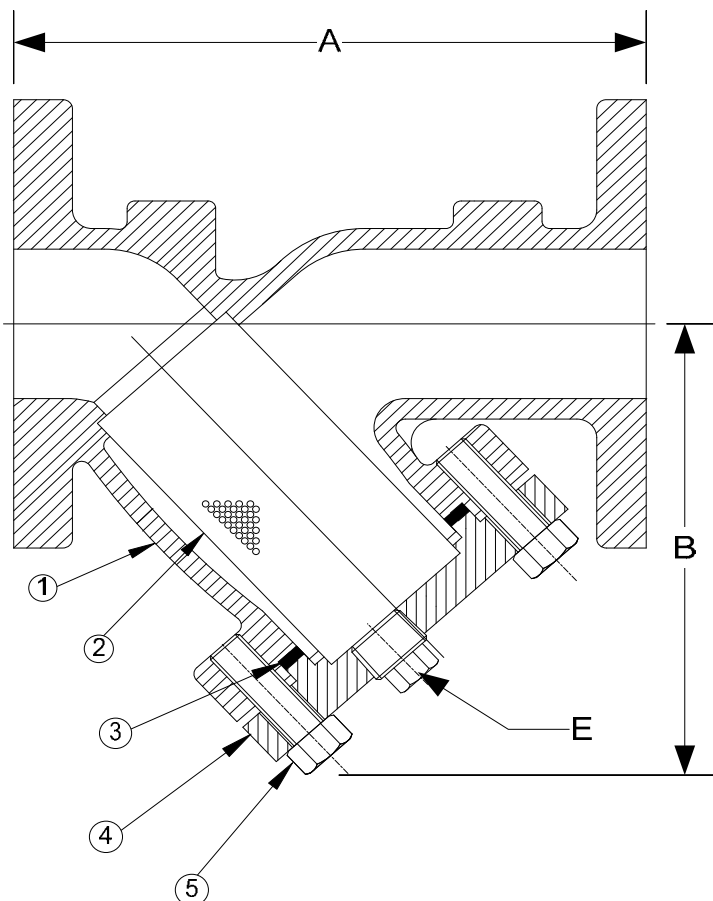
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	--	1-1/2"	18.66	4"	88.15	10"	564.46
3/4"	--	2"	26.90	5"	159.01	12"	665.70
1"	--	2-1/2"	46.88	6"	235.95	(Total screen area listed for 150 lb. class only)	
1-1/4"	--	3"	59.16	8"	360.05		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

DRAWING NO.
AL 90000



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	½" to 12"
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 225°F
	W.O.G.	195 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) -GRAPHITE FILLED
4	COVER	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Brass

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22FFY-NA062P34-GB	1/2	5-7/8	3-1/4	3/8	4	3/8-16 x 1	7
3/42FFY-NA062P34-GB	3/4	7-3/8	3-3/4	1/2	4	3/8-16 x 1	13
12FFY-NA062P34-GB	1	7-3/8	4-5/16	1/2	4	3/8-16 x 1-3/8	13
11/42FFY-NA062P34-GB	1-1/4	6-5/8	4-5/16	1/2	4	3/8-16 x 1-3/8	17
11/22FFY-NA062P34-GB	1-1/2	6-11/16	4-5/16	1/2	4	3/8-16 x 1-3/8	17
22FFY-NA062P34-GB	2	7-7/8	5-1/4	1/2	4	1/2-13 x 1-1/2	28
21/22FFY-NA062P34-GB	2-1/2	9-3/4	6-1/2	1	4	5/8-11 x 1-3/4	38
32FFY-NA062P34-GB	3	10	7	1-1/4	4	5/8-11 x 1-3/4	64
42FFY-NA062P34-GB	4	12-1/8	8-1/4	1-1/2	4	5/8-11 x 2-3/16	84
52FFY-NA125P34-GB	5	15-1/2	11-1/4	2	8	5/8-11 x 2-3/16	139
62FFY-NA125P34-GB	6	18-1/2	13-1/2	2	8	3/4-10 x 2-3/8	160
82FFY-NA125P34-GB	8	24	16-1/2	2	12	3/4-10 x 2-1/2	296
102FFY-NA125P34-GB	10	27-5/8	19-3/8	2	12	3/4-10 x 2-5/8	408
122FFY-NA125P34-GB	12	32-1/2	22-5/8	2	16	3/4-10 x 2-7/8	798

[†]See "Style BA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90000

DIMENSIONAL ASSEMBLY

PART NO.

½" to 12" 150# Flg Style BA-7

SCALE: NTS

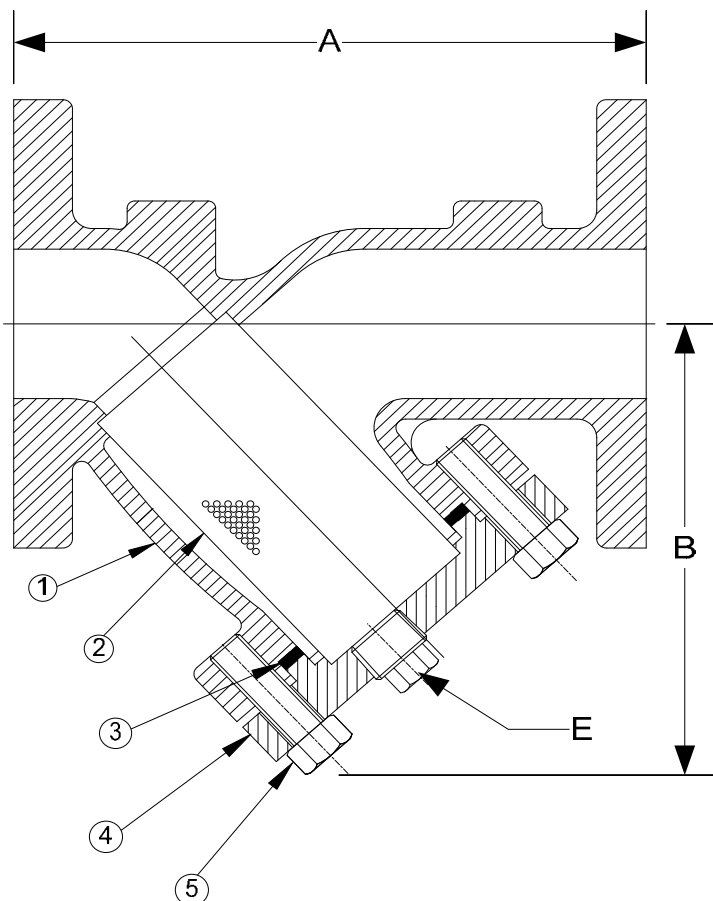
DATE: 03/12/2015

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90040



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	½" to 12"
300# F.F. & D.	STEAM	360 PSI @ 500°F
(EX. HEAVY FLANGE)	W.O.G.	515 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) -GRAPHITE FILLED
4	COVER	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Brass

Product Number [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/24FFY-NA062P34-GB	1/2	6	3-1/4	3/8	12
3/44FFY-NA062P34-GB	3/4	7-13/16	3-3/4	1/2	18
14FFY-NA062P34-GB	1	7-13/16	3-5/8	1/2	18
11/44FFY-NA062P34-GB	1-1/4	8	4-1/2	1/2	26
11/24FFY-NA062P34-GB	1-1/2	8-1/8	4-3/4	1/2	26
24FFY-NA062P34-GB	2	9	6	1/2	28
21/24FFY-NA062P34-GB	2-1/2	10-5/8	7-3/8	1	48
34FFY-NA062P34-GB	3	12-1/2	9-1/16	1-1/4	75
44FFY-NA062P34-GB	4	15-1/8	10-7/8	1-1/2	110
54FFY-NA125P34-GB	5	18-5/8	13-9/16	2	164
64FFY-NA125P34-GB	6	19-1/8	15-7/8	2	212
84FFY-NA125P34-GB	8	25-3/16	16-1/2	2	359
104FFY-NA125P34-GB	10	29-1/8	19-3/8	2	493
124FFY-NA125P34-GB	12	34	22-5/8	2	938

[†]See "Style BA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%

Standard screens supplied are for liquid service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90040

DIMENSIONAL ASSEMBLY

PART NO.

½" to 12" 300# Flg Style BA-7

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Nickel Aluminum Bronze

REQ. ---

DR. BY DSF

Style F7

Y-Strainer

Cast Bronze (ASTM B 584, C89833)

125 lb. Threaded



*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Style E7

Y-Strainer

Cast Bronze (ASTM B 584, C89833)

125 lb. Solder Joint



*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Cast Bronze Y-Strainer (Lead Free*)

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style F7 & E7 strainers are constructed from the finest bronze castings and are machined to exacting specifications.

Solder Joint Ends are in compliance with ASME B16.8 unless otherwise specified.

FEATURES

The Keckley Style F7 & E7 strainers feature a machined seat in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. These strainers have a straight threaded cap and are furnished standard with a NPT blow-off connection. The gasket is a flat PTFE gasket that is compressed between the body and cap for maximum strength and durability. Keckley Style F7 & E7 strainers are furnished with a bronze blow-off plug unless otherwise specified.

SCREENS

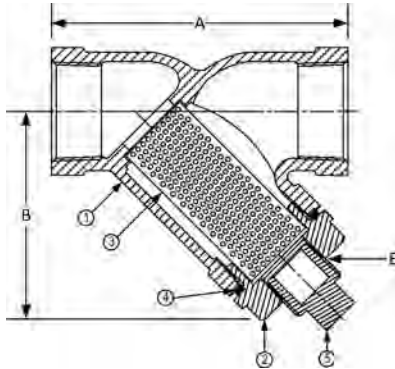
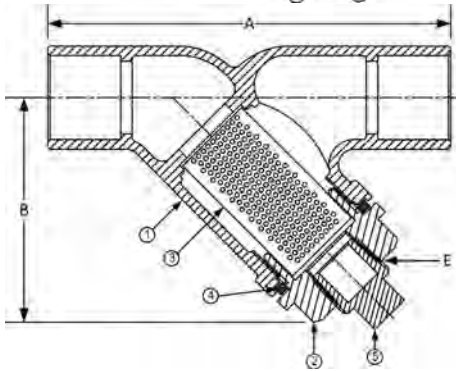
Standard screens are 20 mesh 304 stainless steel through size 2". Sizes 2-1/2", 3" and 4" are furnished with 3/64" perforated 304 stainless steel screens. All screens are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
125# (THREADED & SOLDER JOINT)	STEAM	125 PSI @ 400°F	862 KPa @ 204°C
	W.O.G.	200 PSI @ 150°F	1379 KPa @ 66°C

Style F7
 (Threaded)

Style E7
 (Solder Joint)


Style F7 & E7

Y-Strainer, 125 lb. Threaded & Solder Joint
Cast Bronze (ASTM B 584, C89833) Lead Free*

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Bronze (ASTM B 584, C89833)
2	Cap	Bronze (ASTM B 584, C89833)
3	Screen	Stainless Steel (304)
4	Gasket	PTFE
5	Plug	Bronze (ASTM B 584, C89833)

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORMANCE					
			FOR STEAM		OPEN AREA		FOR LIQUID	
in	mm		in	mm	in	mm	in	mm
1/4 to 2	8 to 50		20 MESH STAINLESS STEEL				49%	
2-1/2 to 3	65 & 80	28	3/64	1.2	33%	3/64	1.2	33%

Options: Other meshes, perforations, and screen materials are available.

SIZE		DIMENSIONS												WEIGHTS			
		A				B				E							
		F7		E7		F7		E7		F7		E7		F7		E7	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/4	8	2-9/16	65	2-1/16	53	1-7/8	48	1-3/8	35	1/4	8	1/8	6	0.63	0.29	0.20	0.09
3/8	10	2-9/16	65	3-1/8	80	1-7/8	48	1-13/16	46	1/4	8	1/4	8	0.58	0.26	0.46	0.21
1/2	15	2-9/16	65	3-1/8	80	1-7/8	48	1-15/16	49	1/4	8	1/4	8	0.55	0.25	0.48	0.22
3/4	20	3	77	4-1/8	105	2-1/4	57	2-5/16	59	3/8	10	3/8	10	0.87	0.39	0.86	0.39
1	25	3-3/4	95	4-15/16	125	2-7/16	62	2-5/8	67	1/2	15	1/2	15	1.38	0.63	1.25	0.57
1-1/4	32	4-7/16	113	5-11/16	145	3-3/8	86	3-1/4	83	1/2	15	1/2	15	2.90	1.32	2.06	0.93
1-1/2	40	4-7/8	123	6-5/8	170	3-9/16	91	3-11/16	94	3/4	20	3/4	20	3.27	1.48	2.93	1.33
2	50	5-1/4	133	8-1/4	210	4-5/16	110	4-1/2	114	1	25	1	25	4.99	2.26	5.48	2.49
2-1/2	65	6-15/16	175	9-3/4	247.5	5	127	5-3/8	137	1-1/4	32	1-1/4	32	9.88	4.48	10.16	4.61
3	80	7-7/8	200	11-3/8	289	5-5/8	143	6-1/8	156	1-1/2	40	1-1/2	40	14.20	6.44	14.30	6.49

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

[Click Here](#)
 For Your Free Quote

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

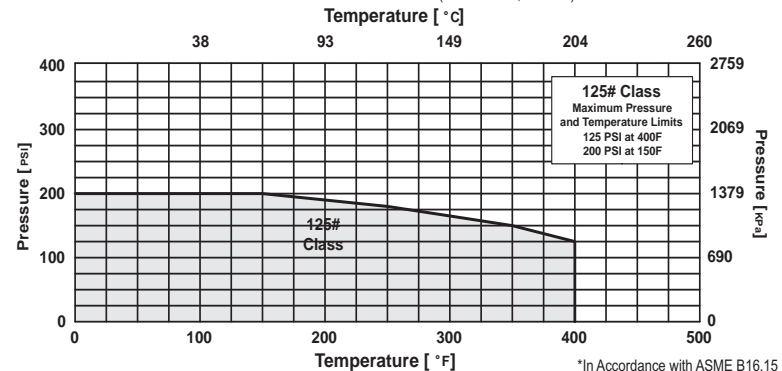
Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.92	1"	6.70	2-1/2"	34.06
3/8"	2.92	1-1/4"	12.25	3"	47.01
1/2"	2.92	1-1/2"	14.58		
3/4"	4.34	2"	22.88		

(Total screen area listed are for Style F7)

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

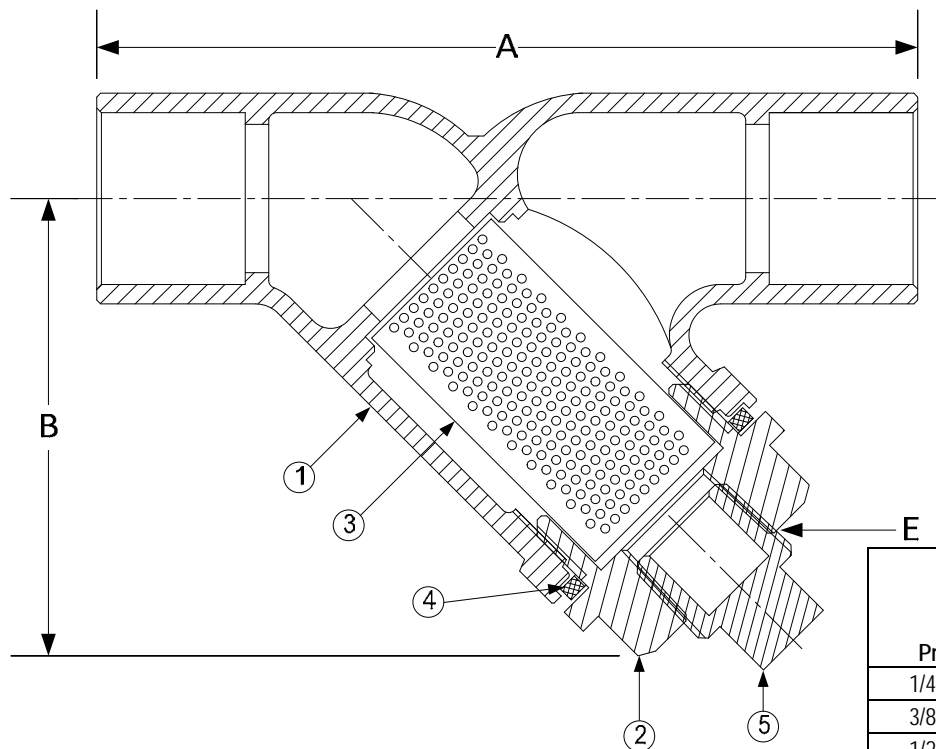
PRESSURE vs. TEMPERATURE CHART

125# Threaded & Solder Joint Bronze (ASTM B 584, C89833)



*In Accordance with ASME B16.15

DRAWING NO.
AL 90720



PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"
125# (SOLDER JOINT)	STEAM	125 PSI @ 400°F
	W.O.G.	200 PSI @ 150°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 584, C89833)
2	CAP	BRONZE (ASTM B 584, C89833)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	PTFE
5	PLUG	BRONZE (ASTM B 584, C89833)

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Product Numbers [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/41SJY-LFM20M34-PTI	1/4	2-1/16	1-3/8	1/8	0.20
3/81SJY-LFM20M34-PTI	3/8	3-1/8	1-13/16	1/4	0.46
1/21SJY-LFM20M34-PTI	1/2	3-1/8	1-15/16	1/4	0.48
3/41SJY-LFM20M34-PTI	3/4	4-1/8	2-5/16	3/8	0.86
11SJY-LFM20M34-PTI	1	4-15/16	2-5/8	1/2	1.25
11/41SJY-LFM20M34-PTI	1-1/4	5-11/16	3-1/4	1/2	2.06
11/21SJY-LFM20M34-PTI	1-1/2	6-5/8	3-11/16	3/4	2.93
21SJY-LFM20M34-PTI	2	8-1/4	4-1/2	1	5.48
21/21SJY-LF045P34-PTI	2-1/2	9-3/4	5-3/8	1-1/4	10.16
31SJY-LF045P34-PTI	3	11-3/8	6-1/8	1-1/4	14.30

[†]See "Style E7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			OPEN AREA
		FOR STEAM in	OPEN AREA	FOR LIQUID in	
1/4 to 2		20 MESH STAINLESS STEEL			49%
2-1/2 & 3	28	3/64	33%	3/64	33%

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90720

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 125# Solder Joint Style E7

SCALE: NTS

For Copper Tubing (Import)

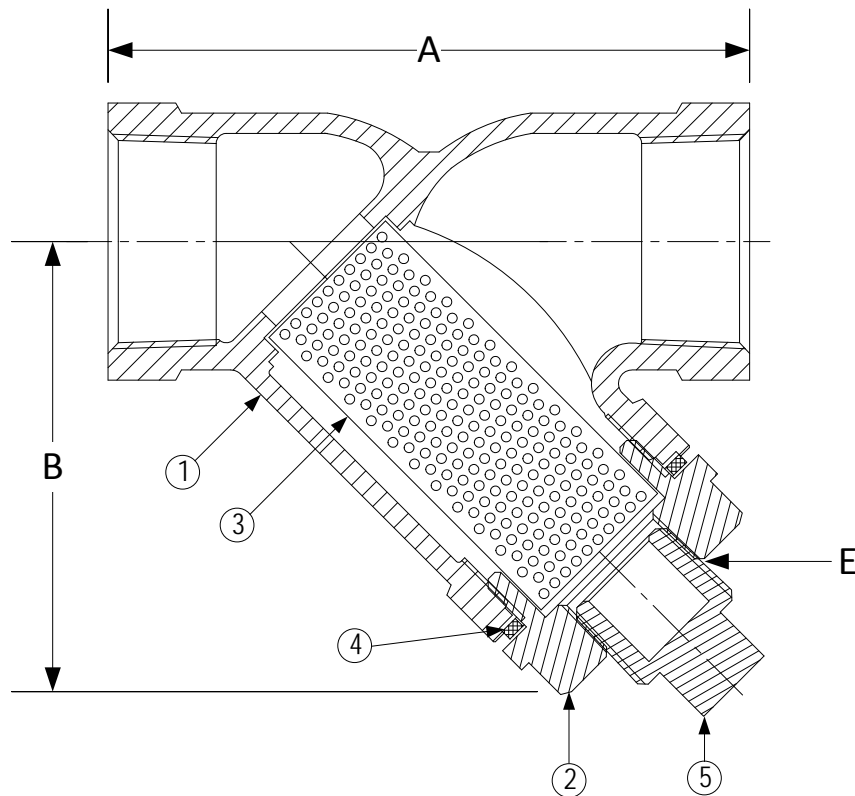
DATE: 05/14/2013

MAT'L: Cast Bronze (Lead Free)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90700



PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
125# (THREADED)	STEAM	125 PSI @ 400°F
	W.O.G.	200 PSI @ 150°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	BRONZE (ASTM B 584, C89833)
2	CAP	BRONZE (ASTM B 584, C89833)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	PTFE
5	PLUG	BRONZE (ASTM B 584, C89833)

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Product Numbers [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/41THY-LFM20M34-PTI	1/4	2-9/16	1-7/8	1/4	0.63
3/81THY-LFM20M34-PTI	3/8	2-9/16	1-7/8	1/4	0.58
1/21THY-LFM20M34-PTI	1/2	2-9/16	1-7/8	1/4	0.55
3/41THY-LFM20M34-PTI	3/4	3	2-1/4	3/8	0.87
11THY-LFM20M34-PTI	1	3-3/4	2-7/16	1/2	1.38
11/41THY-LFM20M34-PTI	1-1/4	4-7/16	3-3/8	1/2	2.90
11/21THY-LFM20M34-PTI	1-1/2	4-7/8	3-9/16	3/4	3.27
21THY-LFM20M34-PTI	2	5-1/4	4-5/16	1	4.99
21/21THY-LF045P34-PTI	2-1/2	6-15/16	5	1-1/4	9.88
31THY-LF045P34-PTI	3	7-7/8	5-5/8	1-1/4	14.20

[†]See "Style F7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 2		20 MESH STAINLESS STEEL			49%
2-1/2 & 3	28	3/64	33%	3/64	33%

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

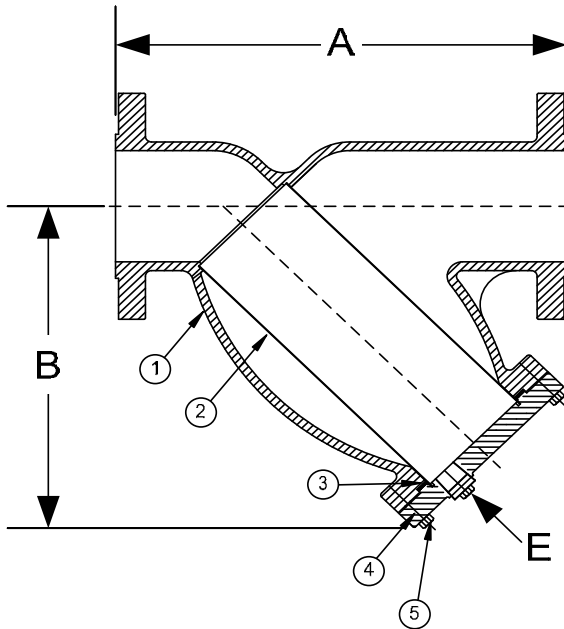
3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90700

DIMENSIONAL ASSEMBLY		PART NO.
1/4" to 3" 125# Threaded Style F7		SCALE: NTS
(Import)		DATE: 05/14/2013
MAT'L: Cast Bronze (Lead Free)	REQ. ---	DR. BY DSF

Style SSA-7ML

Y-Strainer, 150 lb. & 300 lb. Flanged
Cast Monel (ASTM A 494, Grade M35-2)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

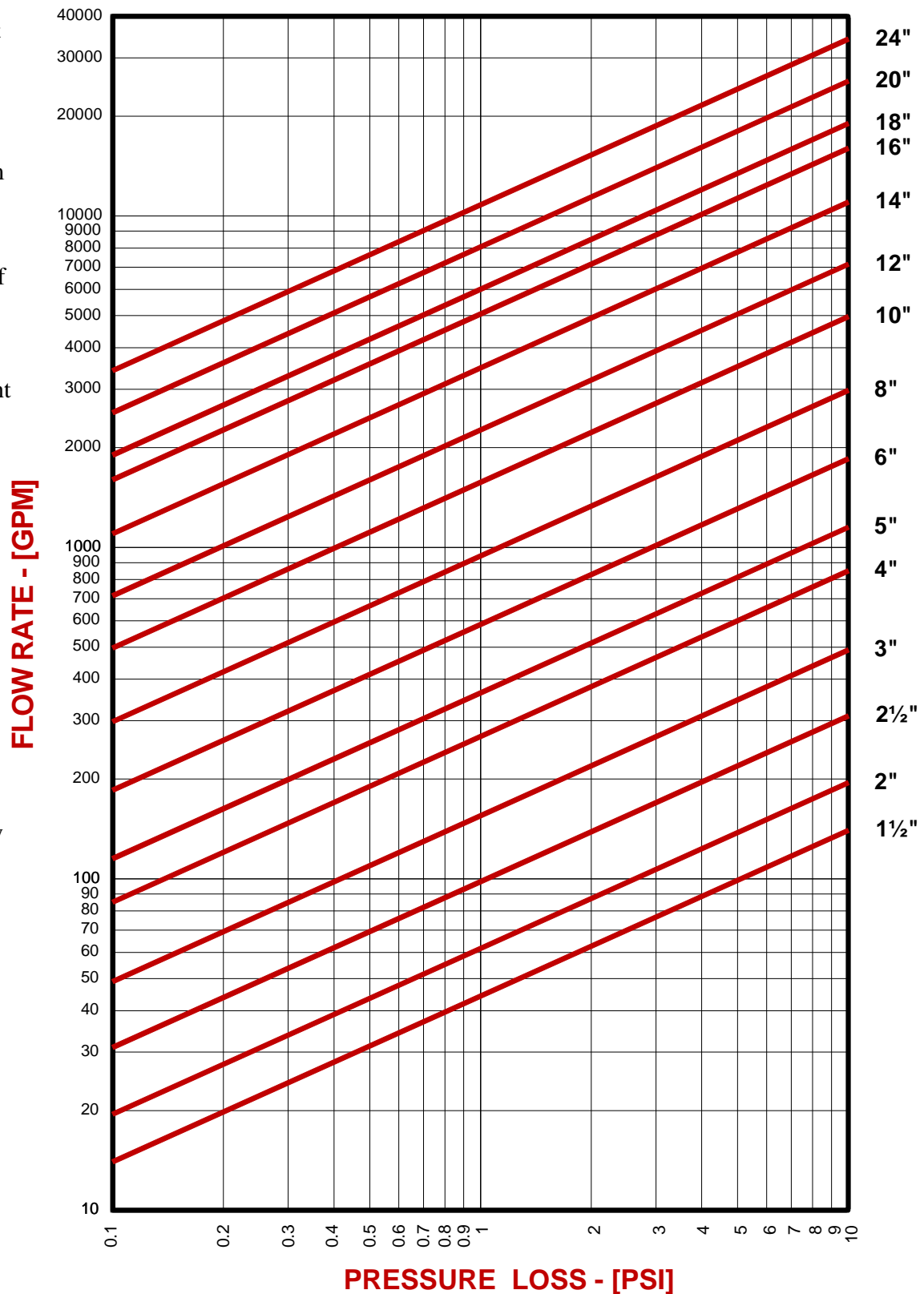
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

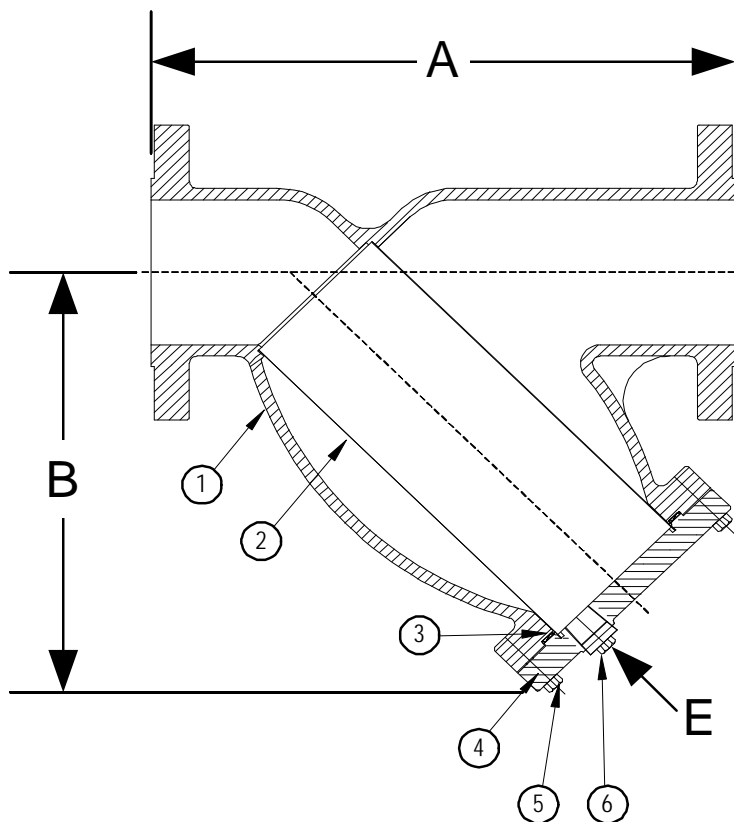
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025ML



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-ML045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-ML045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-ML045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-ML045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-ML045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-ML045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-ML045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-ML045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-ML045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-ML045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-ML045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-ML045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-ML045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-ML062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-ML062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025ML

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SSA-7ML

SCALE: NTS

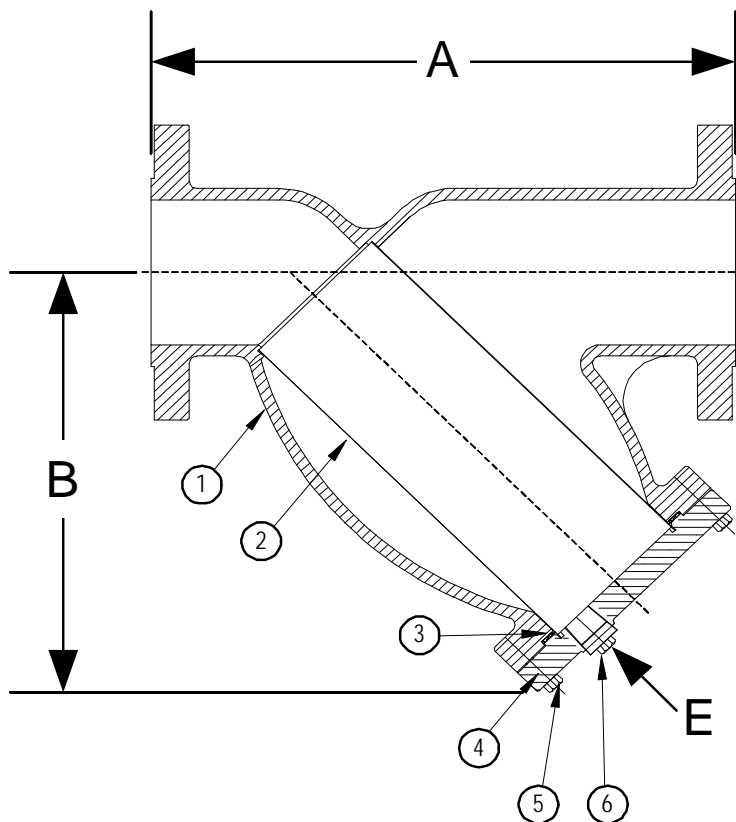
DATE: 07/01/2011

MAT'L: Cast Monel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77027ML



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-ML045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-ML045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-ML045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-ML045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-ML045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-ML045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-ML045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-ML045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-ML045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-ML045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-ML045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-ML045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-ML045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-ML062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-ML062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77027ML

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SSA-7ML

SCALE: NTS

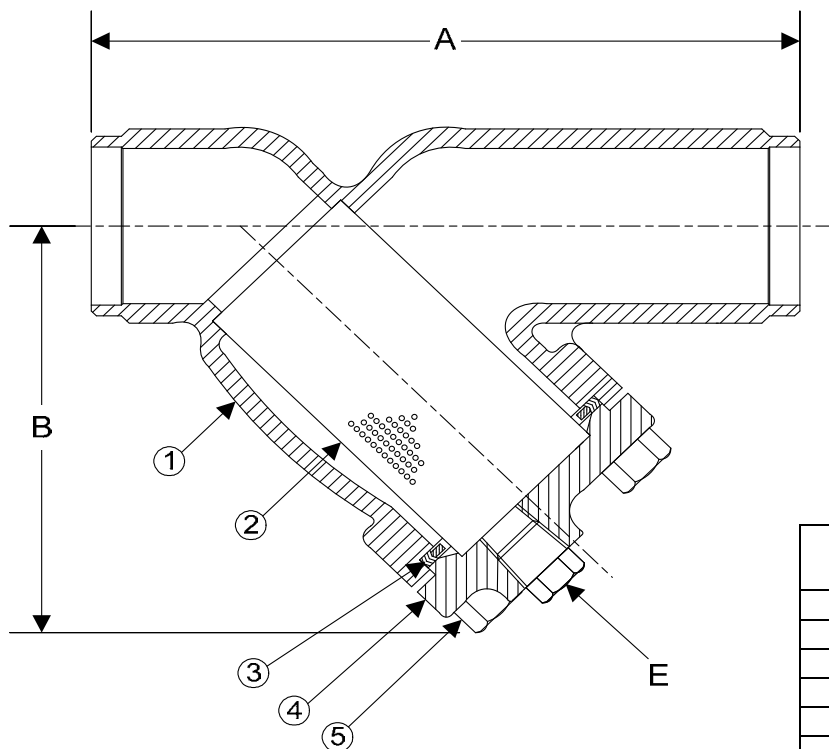
MAT'L: Cast Monel

REQ. ---

DATE: 07/01/2011

DR. BY DSF

DRAWING NO.
AL 90300ML



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-ML045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-ML045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-ML045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-ML045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-ML045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-ML045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-ML045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-ML045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-ML045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-ML045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-ML045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-ML045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-ML045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-ML062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

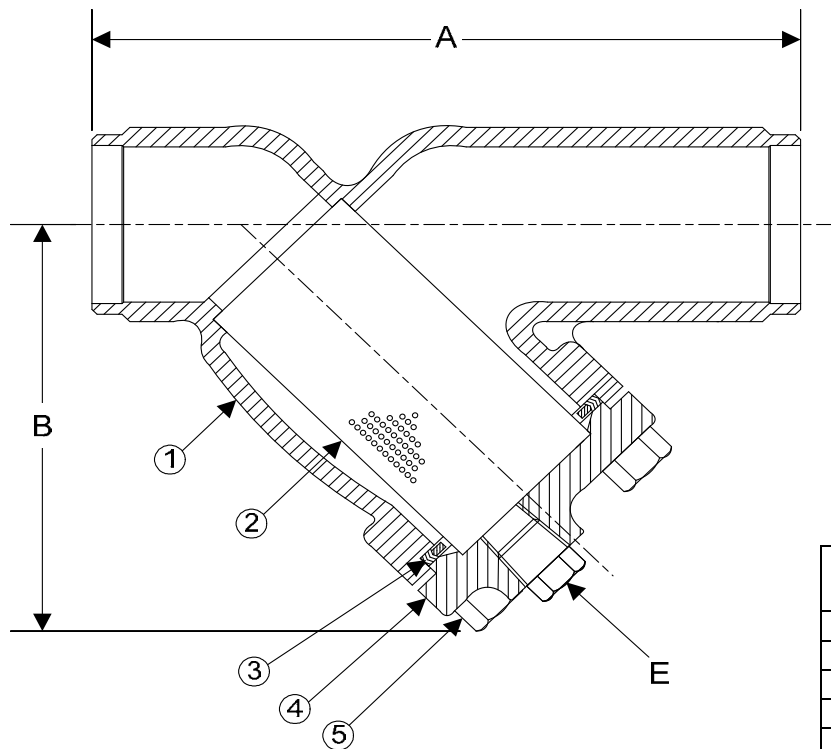
KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300ML

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 150# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7ML		DATE: 07/01/2011
MAT'L: Cast Monel	REQ. ---	DR. BY DSF

DRAWING NO.
AL 90340ML



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-ML045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-ML045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-ML045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-ML045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-ML045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-ML045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-ML045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-ML045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-ML045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-ML045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-ML045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-ML045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-ML045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-ML062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

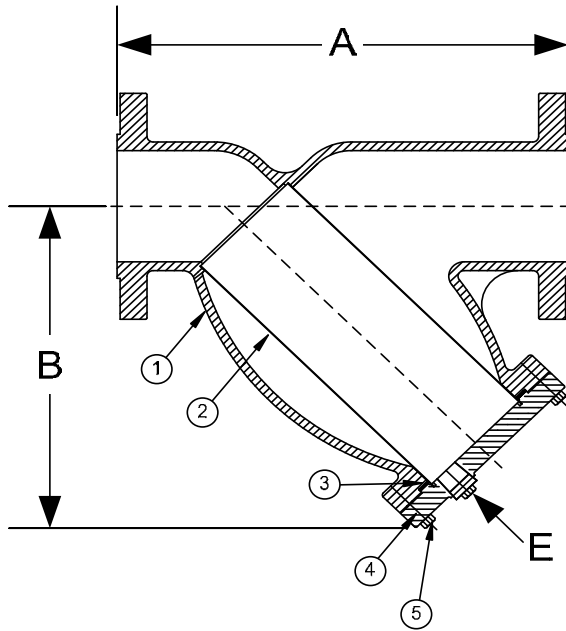
DRAWING NO.
AL 90340ML

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 300# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7ML		DATE: 07/01/2011
MAT'L: Cast Monel	REQ. ---	DR. BY DSF

Style SSA-ML

Y-Strainer, 600 lb. Flanged

Cast Monel (ASTM A 494, Grade M35-2)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

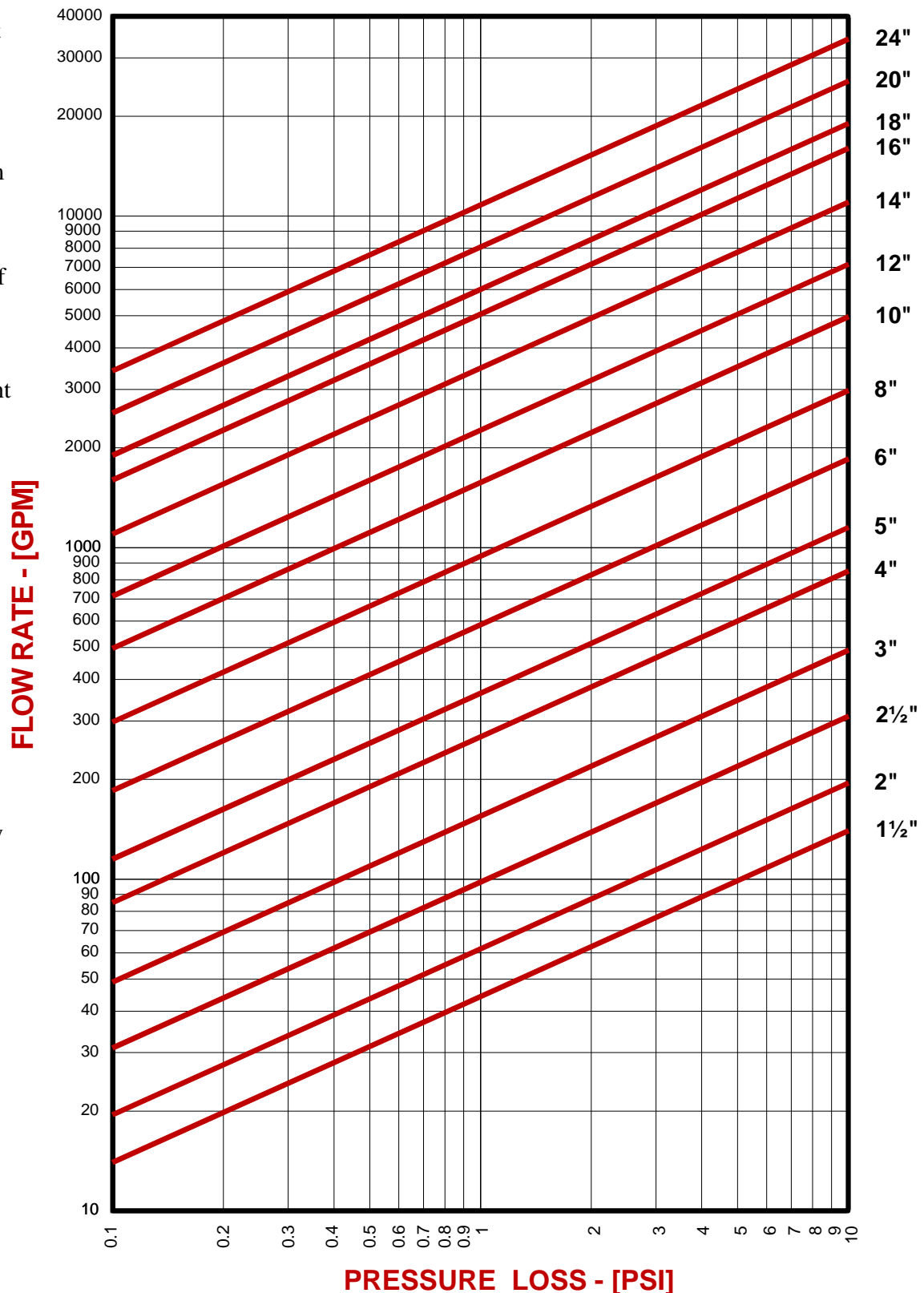
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

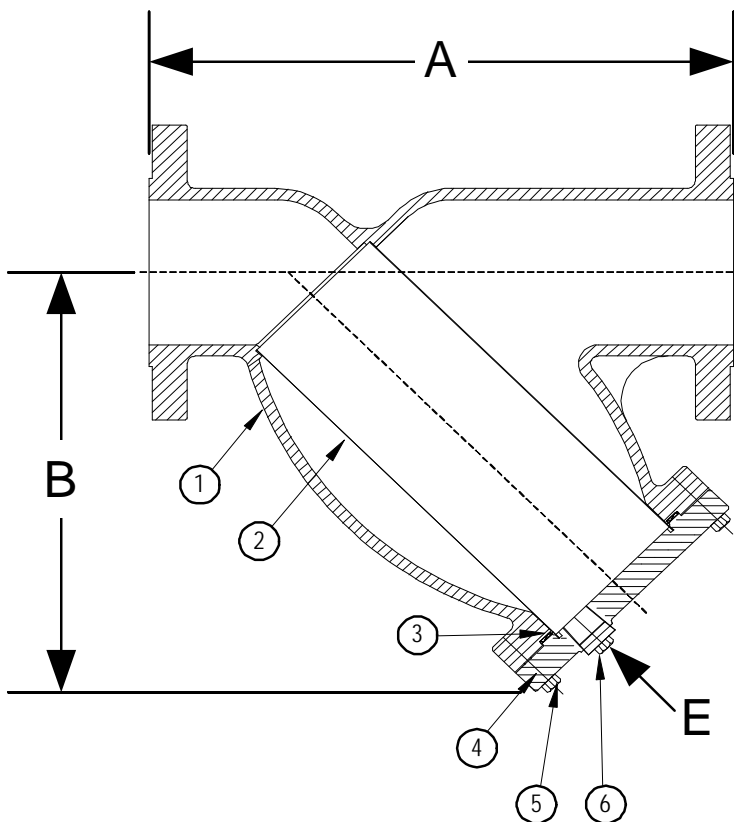
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380ML



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-ML045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-ML045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-ML045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-ML045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-ML045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-ML045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-ML045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-ML045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-ML045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-ML045P34-GB	6	25-5/8	20	2	12	5/8-11 x 2-1/4	364
85RFY-ML045P34-GB	8	31-3/4	24	2	12	5/8-11 x 2-3/4	670
105RFY-ML045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-ML062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90380ML

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SSA-ML

SCALE: NTS

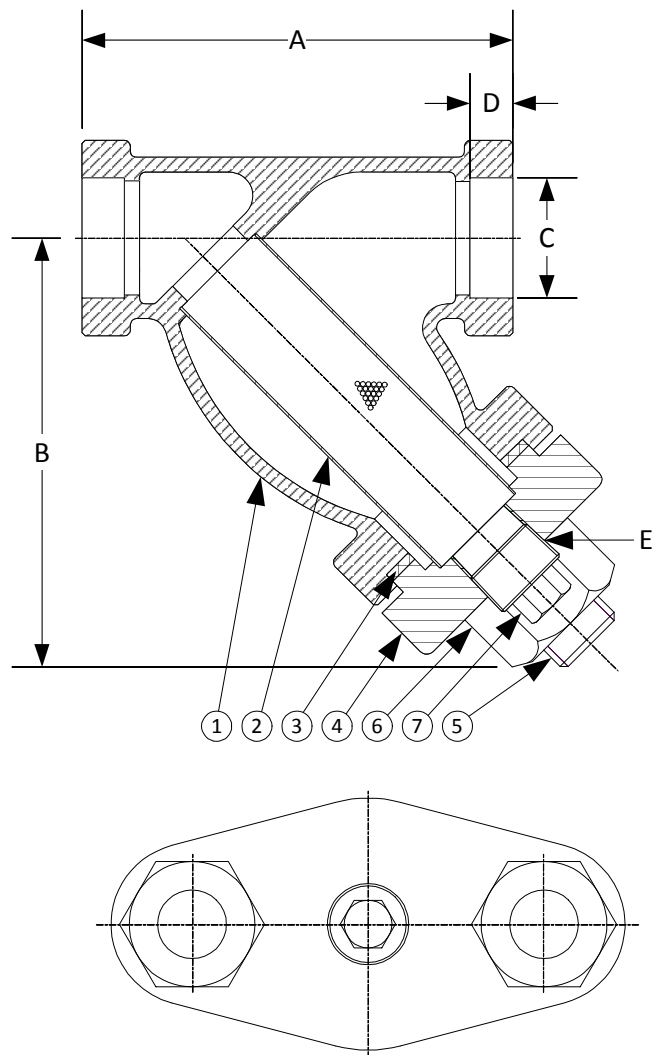
DATE: 07/01/2011

MAT'L: Cast Monel

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	MONEL (ASTM A 494, GRADE M35-2)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-ML045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-ML045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-ML045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-ML045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-ML045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-ML045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-ML045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-ML045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-ML045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-ML045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7BCML

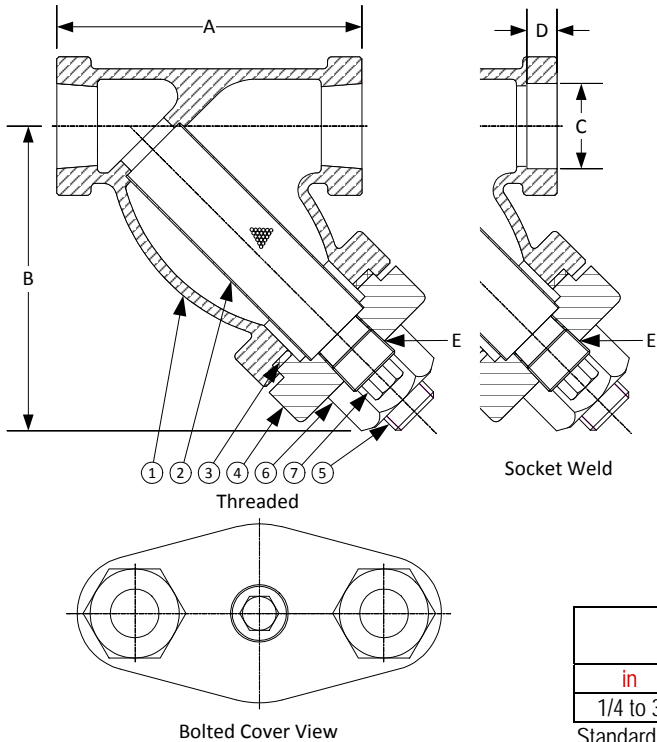
SCALE: NTS

DATE: 07/01/2011

MAT'L: Monel

REQ. ---

DR. BY DSF



Style SSB-7BCML

**Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover**

Monel (ASTM A 494, Grade M35-2)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	MONEL (ASTM A 494, GRADE M35-2)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

*Optional Body Materials Available in Alloy 20, Hastelloy C276, Titanium, and Duplex.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E		lbs	kgs
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

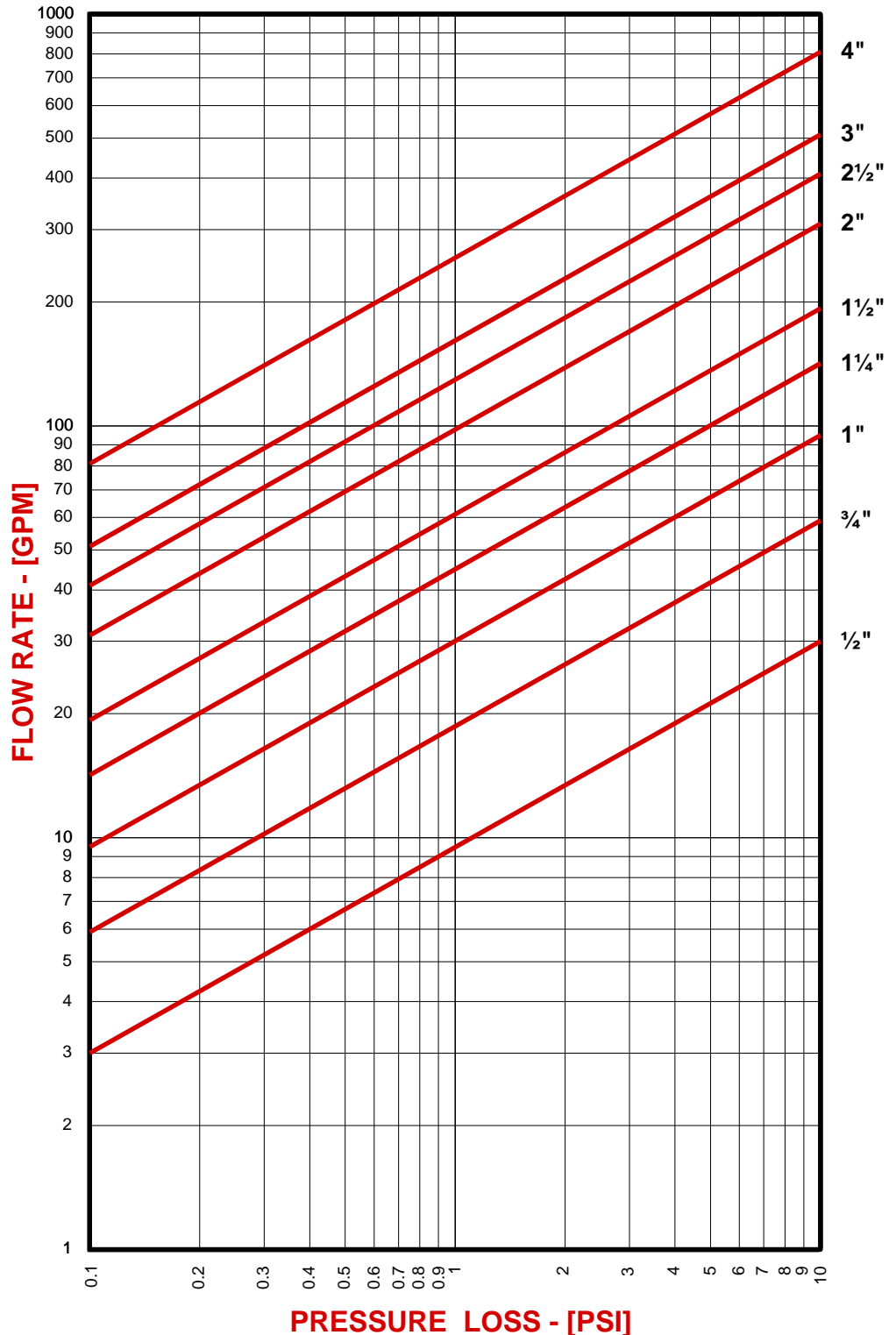
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

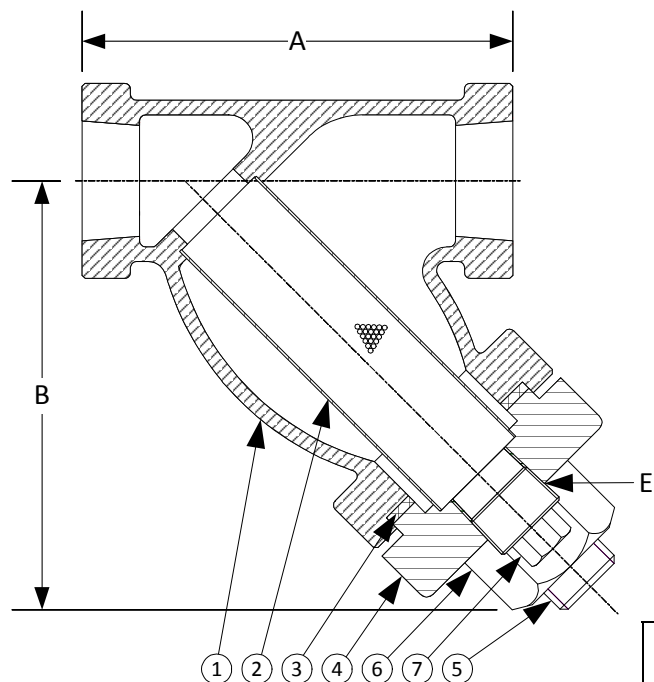
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7

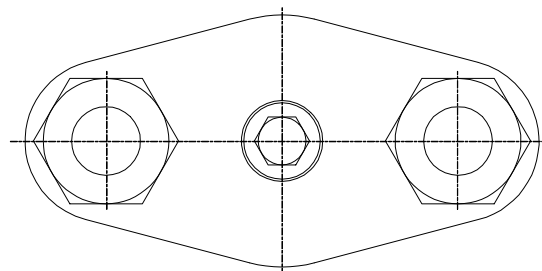


DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	MONEL (ASTM A 494, GRADE M35-2)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)



Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-ML045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-ML045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-ML045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-ML045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-ML045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-ML045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-ML045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-ML045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-ML045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-ML045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7BCML

SCALE: NTS

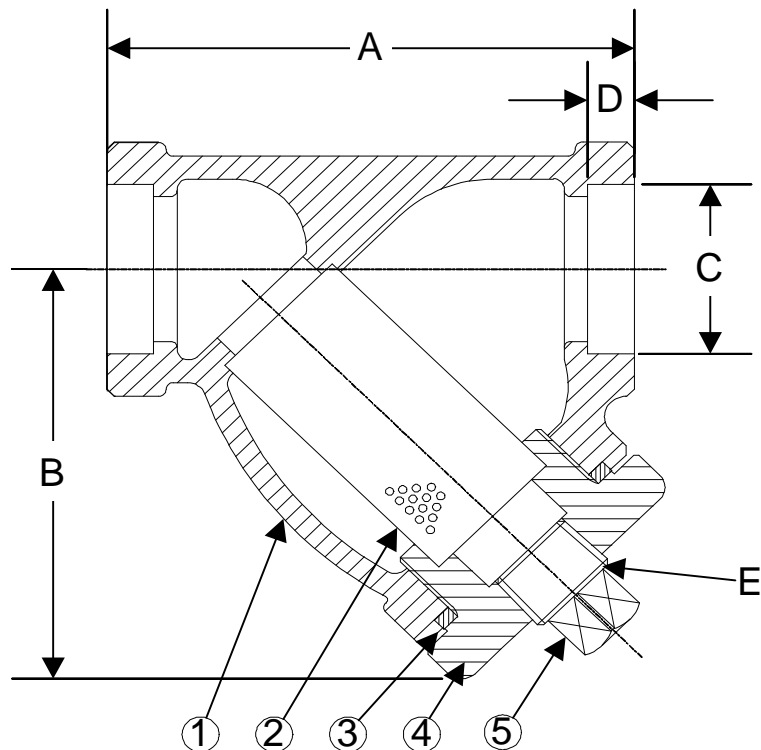
DATE: 07/01/2011

MAT'L: Monel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017ML



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST MONEL (ASTM A 494, GRADE M35-2)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/4SWY-ML045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/8SWY-ML045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/2SWY-ML045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/4SWY-ML045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
1SWY-ML045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
1 1/4SWY-ML045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
1 1/2SWY-ML045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
2SWY-ML045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
2 1/2SWY-ML045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
3SWY-ML045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017ML

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7ML

SCALE: NTS

DATE: 07/01/2011

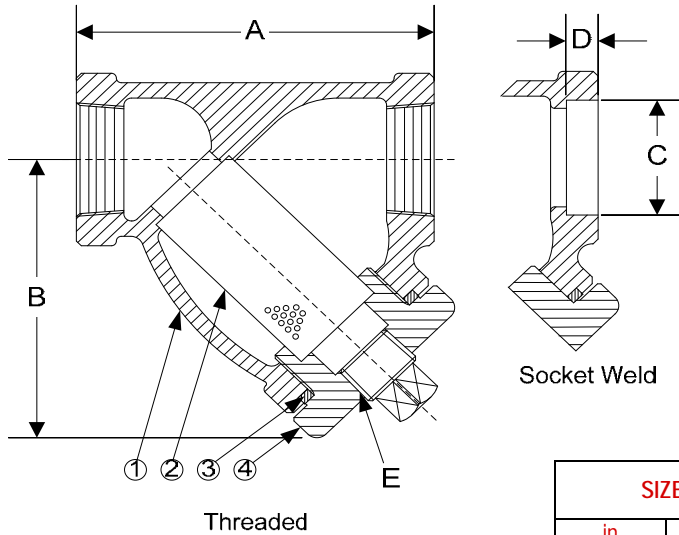
MAT'L: Cast Monel

REQ. ---

DR. BY DSF

Style SSB-7ML

**Y-Strainer, 600 lb. Threaded & Socket Weld
Cast Monel (ASTM A 494, Grade M35-2)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	CAST MONEL (ASTM A 494, GRADE M35-2)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Inconel, Hastelloy C276, Alloy 20, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

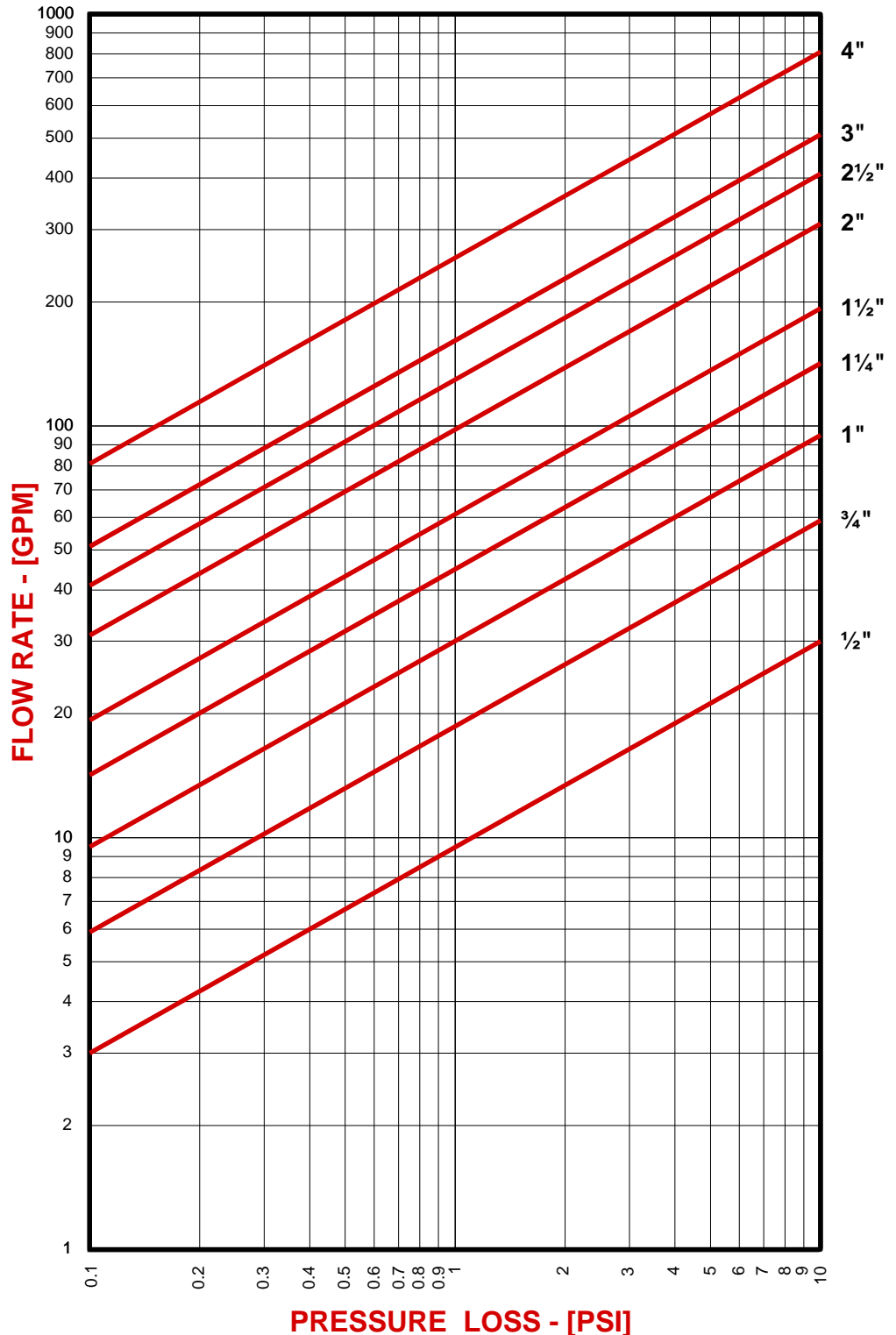
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

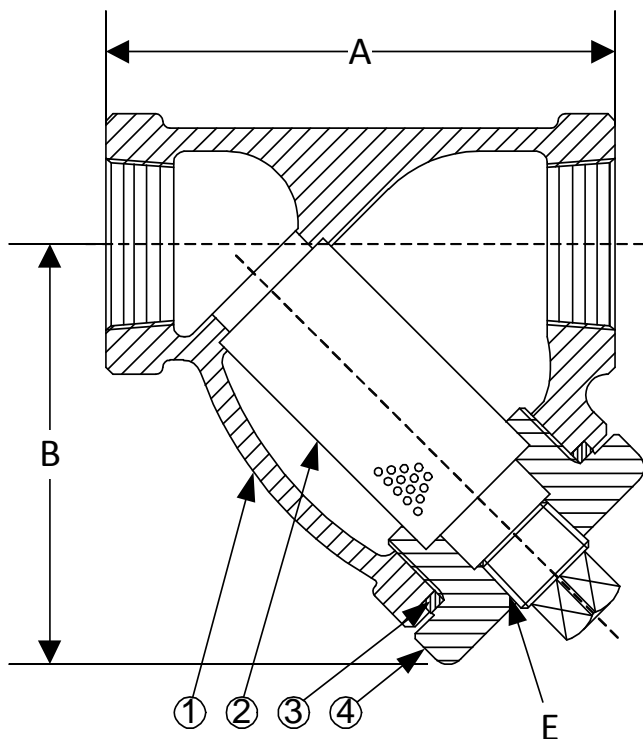
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015ML



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST MONEL (ASTM A 494, GRADE M35-2)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-ML045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-ML045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-ML045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-ML045P34-GT	3/4	3-11/16	3	3/8	5
15THY-ML045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-ML045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-ML045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-ML045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-ML045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-ML045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015ML

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7ML

SCALE: NTS

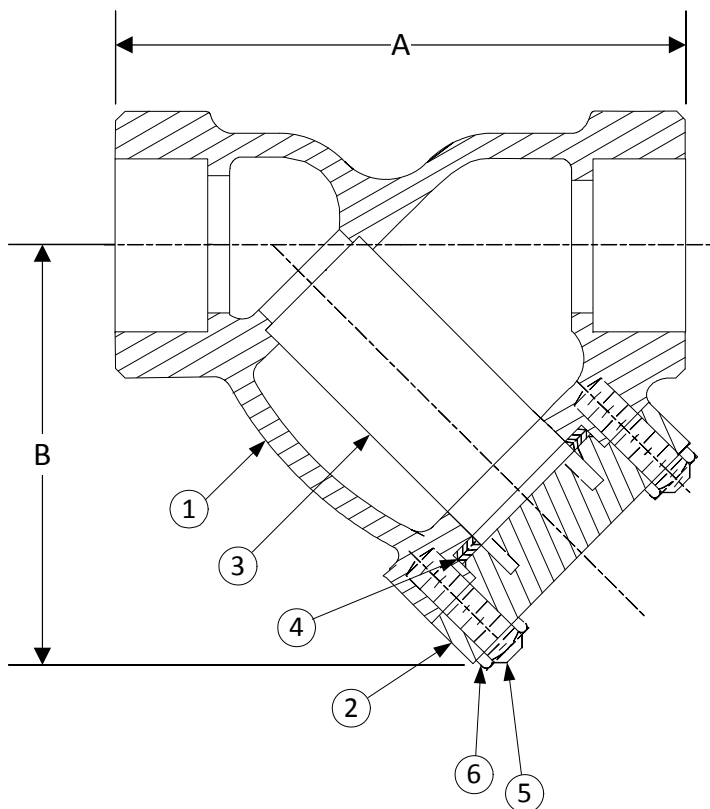
DATE: 07/01/2011

MAT'L: Cast Monel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470ML



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-ML033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-ML033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-ML033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-ML033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-ML033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-ML033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-ML033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-ML033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470ML

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SSB-ML

SCALE: NTS

DATE: 11/30/2016

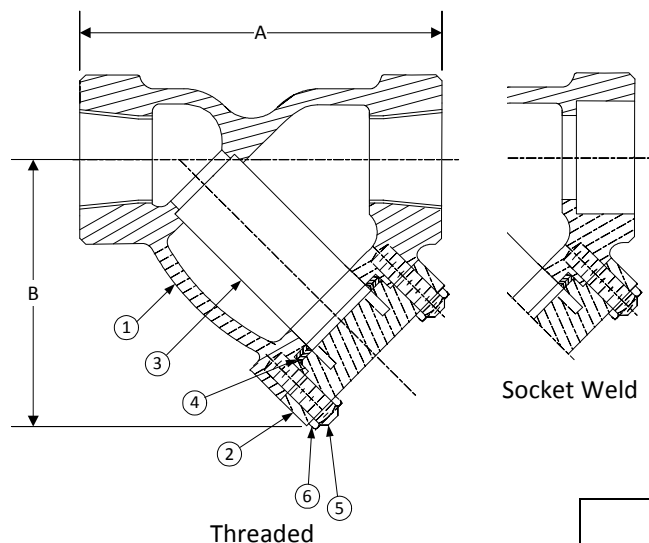
MAT'L: Cast Monel

REQ. ---

DR. BY DSF

Style SSB-ML

Y-Type, 1500 lb. Threaded & Socket Weld
Cast Monel (ASTM A 494, Grade M35-2)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

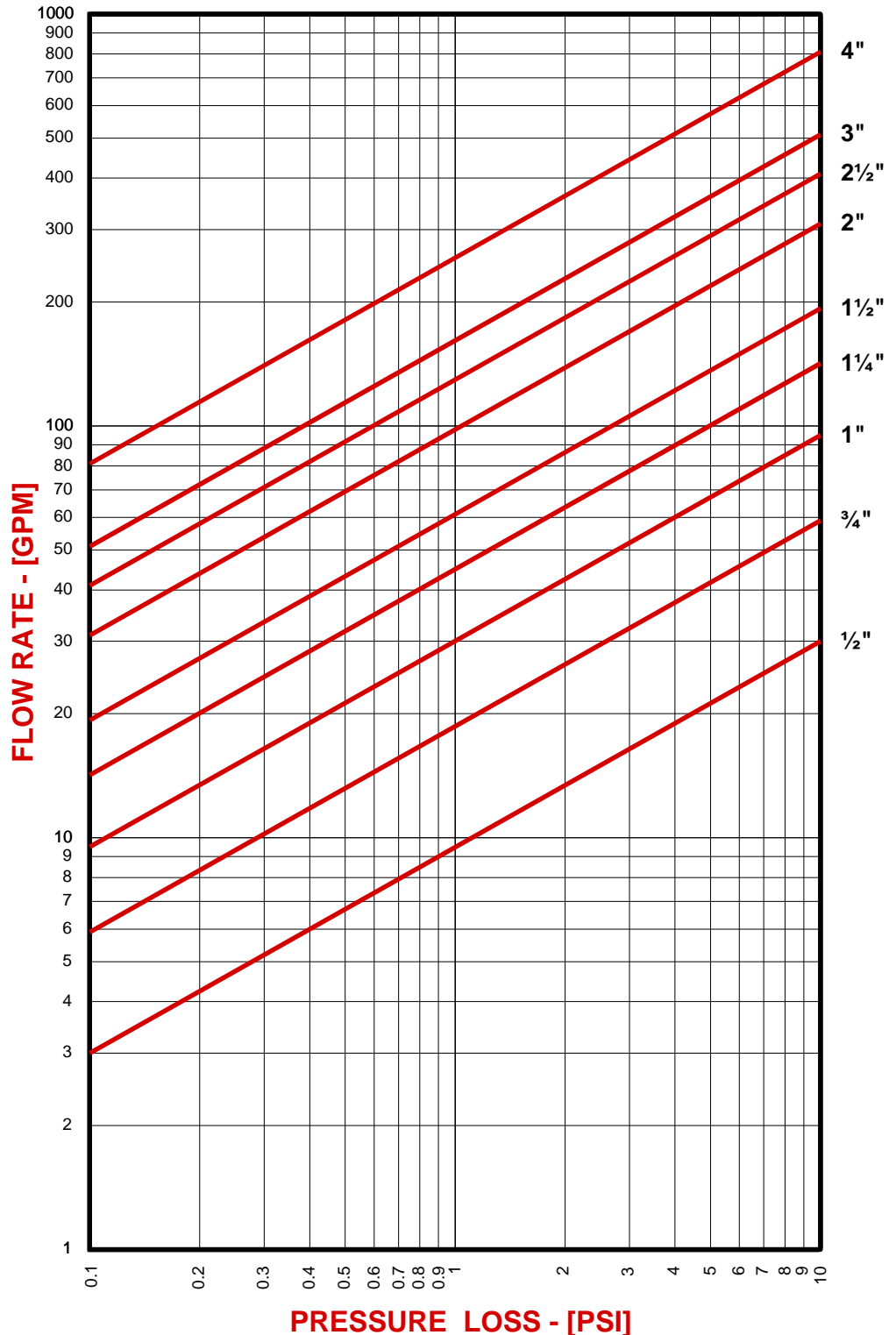
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

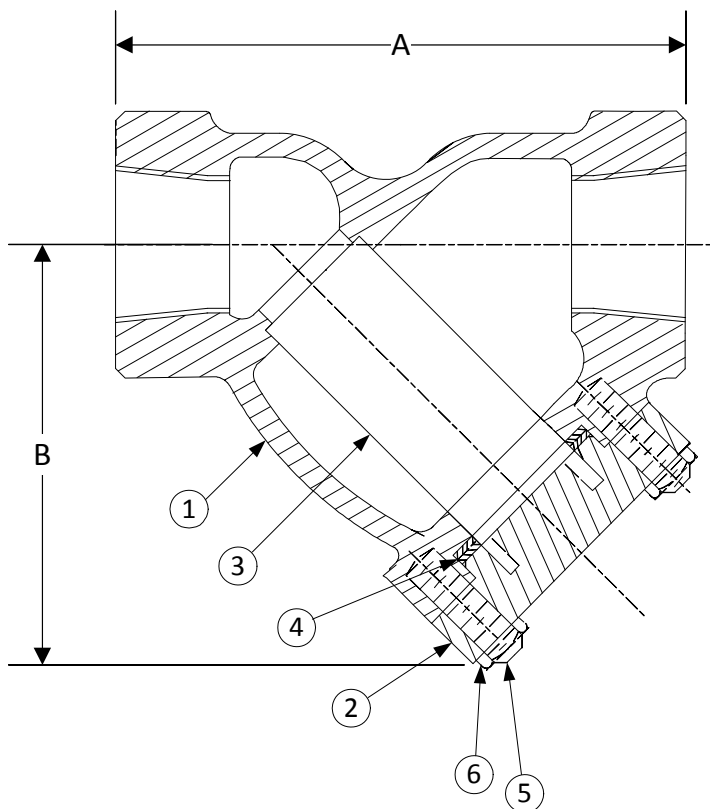
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450ML



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST MONEL (ASTM A 494, GRADE M35-2)
2	COVER	CAST MONEL (ASTM A 494, GRADE M35-2)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-ML033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-ML033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-ML033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-ML033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-ML033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-ML033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-ML033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-ML033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90450ML

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SSB-ML

SCALE: NTS

DATE: 11/30/2016

MAT'L: Cast Monel

REQ. ---

DR. BY DSF

Style BA-7

Y-Strainer

Nickel Aluminum Bronze
(ASTM B 148, C95800)

150 lb. & 300 lb. Flanged



Cast Nickel Aluminum Bronze Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style BA-7 strainers are constructed from rugged nickel aluminum bronze castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.24. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style BA-7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is spiral wound 316 stainless steel and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style BA-7 strainers have cap screws and can be furnished with a brass blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

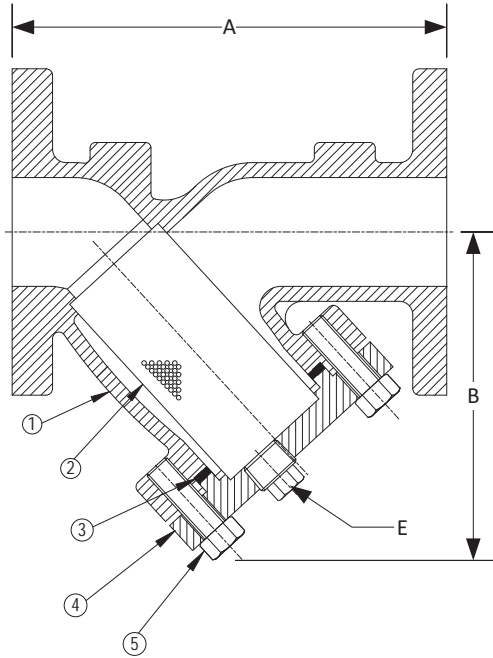
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 225°F	1034 KPa @ 107°C
	W.O.G.	195 PSI @ 100°F	1344 KPa @ 38°C
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
300# F.F. & D. (EX. HEAVY FLANGE)	STEAM	360 PSI @ 500°F	2482 KPa @ 260°C
	W.O.G.	515 PSI @ 100°F	3551 KPa @ 38°C

Style BA-7

Y-Strainer, 150 lb. & 300 lb. Flanged

Cast Nickel Aluminum Bronze (ASTM B 148, C95800)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Nickel Aluminum Bronze (ASTM B 148, C95800)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Nickel Aluminum Bronze (ASTM B 148, C95800)
5	Cap Screw	Stainless Steel (ASTM A 193, Grade B8)

Optional: Blow-off Plug, Brass.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN FOR LIQUID		OPEN AREA	
in	mm		in	mm	in	mm	in	mm
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	5-7/8	149	6	152	3-1/4	83	3-1/4	83	3/8	10	7	3.18	12	5.4
3/4	20	7-3/8	187	7-13/16	198	3-3/4	95	3-3/4	95	1/2	15	11	4.99	18	8.1
1	25	7-3/8	187	7-13/16	198	4-5/16	110	3-5/8	92	1/2	15	11	4.99	18	8.1
1-1/4	32	6-5/8	168	8	203	4-5/16	110	4-1/2	114	1/2	15	12	5.44	26	11
1-1/2	40	6-11/16	170	8-1/8	206	4-5/16	110	4-3/4	121	1/2	15	14	6.00	26	11
2	50	7-7/8	200	9	229	5-1/4	133	6	152	1/2	15	18	8.16	28	12.7
2-1/2	65	9-3/4	248	10-5/8	270	6-1/2	165	7-3/8	187	1	20	37	16.34	48	21
3	80	10	254	12-1/2	318	7	178	9-1/16	230	1-1/4	32	40	18.06	75	34
4	100	12-1/8	308	15-1/8	384	8-1/4	210	10-7/8	276	1-1/2	40	67	30.20	110	50
5	125	15-1/2	394	18-5/8	479	11-1/4	286	13-9/16	344	2	50	99	44.52	164	74
6	150	18-1/2	470	19-1/8	486	13-1/2	343	15-7/8	403	2	50	134	60.48	212	96
8	200	24	610	25-3/16	640	16-1/2	413	16-1/2	413	2	50	229	103.45	359	163
10	250	27-5/8	702	29-1/8	740	19-3/8	492	19-3/8	492	2	50	397	180.03	493	224
12	300	32-1/2	826	34	864	22-5/8	575	22-5/8	575	2	50	532	240.89	938	425

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

¹This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

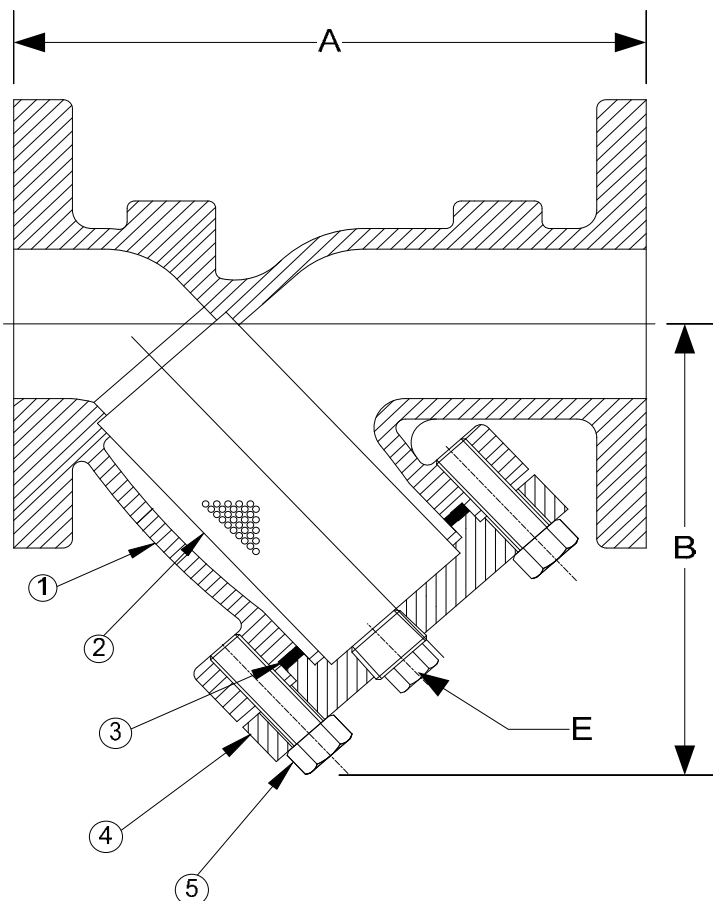
Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	--	1-1/2"	18.66	4"	88.15	10"	564.46
3/4"	--	2"	26.90	5"	159.01	12"	665.70
1"	--	2-1/2"	46.88	6"	235.95	(Total screen area listed for 150 lb. class only)	
1-1/4"	--	3"	59.16	8"	360.05		

*See DETERMINING RATIOS on page S5 of the Strainer Information

Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

DRAWING NO.
AL 90000



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	½" to 12"
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 225°F
	W.O.G.	195 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) -GRAPHITE FILLED
4	COVER	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Brass

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22FFY-NA062P34-GB	1/2	5-7/8	3-1/4	3/8	4	3/8-16 x 1	7
3/42FFY-NA062P34-GB	3/4	7-3/8	3-3/4	1/2	4	3/8-16 x 1	13
12FFY-NA062P34-GB	1	7-3/8	4-5/16	1/2	4	3/8-16 x 1-3/8	13
11/42FFY-NA062P34-GB	1-1/4	6-5/8	4-5/16	1/2	4	3/8-16 x 1-3/8	17
11/22FFY-NA062P34-GB	1-1/2	6-11/16	4-5/16	1/2	4	3/8-16 x 1-3/8	17
22FFY-NA062P34-GB	2	7-7/8	5-1/4	1/2	4	1/2-13 x 1-1/2	28
21/22FFY-NA062P34-GB	2-1/2	9-3/4	6-1/2	1	4	5/8-11 x 1-3/4	38
32FFY-NA062P34-GB	3	10	7	1-1/4	4	5/8-11 x 1-3/4	64
42FFY-NA062P34-GB	4	12-1/8	8-1/4	1-1/2	4	5/8-11 x 2-3/16	84
52FFY-NA125P34-GB	5	15-1/2	11-1/4	2	8	5/8-11 x 2-3/16	139
62FFY-NA125P34-GB	6	18-1/2	13-1/2	2	8	3/4-10 x 2-3/8	160
82FFY-NA125P34-GB	8	24	16-1/2	2	12	3/4-10 x 2-1/2	296
102FFY-NA125P34-GB	10	27-5/8	19-3/8	2	12	3/4-10 x 2-5/8	408
122FFY-NA125P34-GB	12	32-1/2	22-5/8	2	16	3/4-10 x 2-7/8	798

[†]See "Style BA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%

Standard screens supplied are for **liquid service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90000

DIMENSIONAL ASSEMBLY

PART NO.

½" to 12" 150# Flg Style BA-7

SCALE: NTS

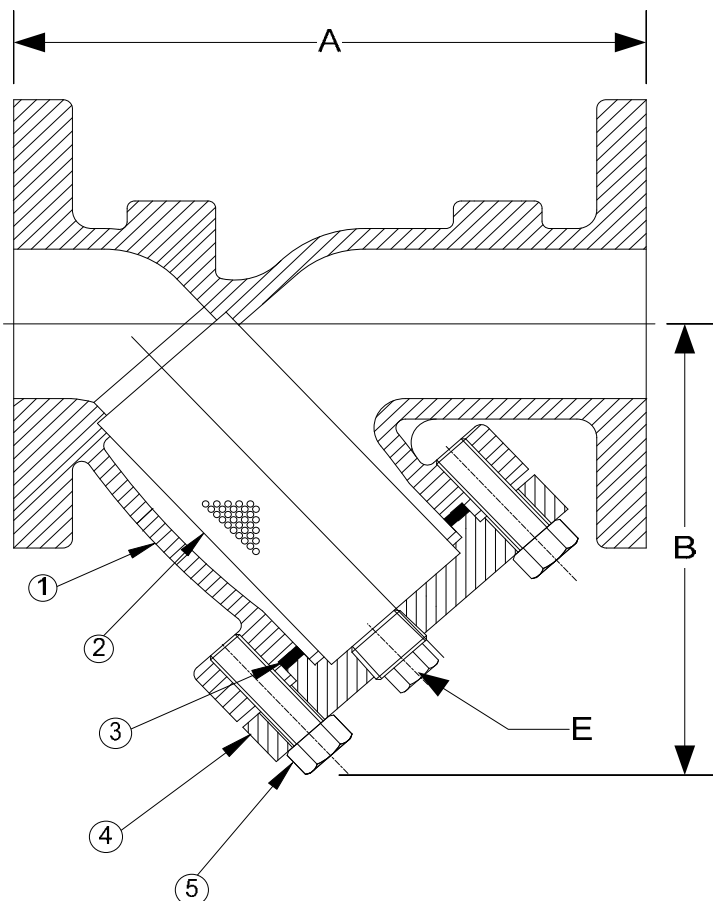
DATE: 03/12/2015

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90040



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	½" to 12"
300# F.F. & D.	STEAM	360 PSI @ 500°F
(EX. HEAVY FLANGE)	W.O.G.	515 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) -GRAPHITE FILLED
4	COVER	NICKEL ALUMINUM BRONZE (ASTM B 148, C95800)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Brass

Product Number [†]	SIZE	DIMENSIONS (in)			WEIGHT (lbs)
		A	B	E	
1/24FFY-NA062P34-GB	1/2	6	3-1/4	3/8	12
3/44FFY-NA062P34-GB	3/4	7-13/16	3-3/4	1/2	18
14FFY-NA062P34-GB	1	7-13/16	3-5/8	1/2	18
11/44FFY-NA062P34-GB	1-1/4	8	4-1/2	1/2	26
11/24FFY-NA062P34-GB	1-1/2	8-1/8	4-3/4	1/2	26
24FFY-NA062P34-GB	2	9	6	1/2	28
21/24FFY-NA062P34-GB	2-1/2	10-5/8	7-3/8	1	48
34FFY-NA062P34-GB	3	12-1/2	9-1/16	1-1/4	75
44FFY-NA062P34-GB	4	15-1/8	10-7/8	1-1/2	110
54FFY-NA125P34-GB	5	18-5/8	13-9/16	2	164
64FFY-NA125P34-GB	6	19-1/8	15-7/8	2	212
84FFY-NA125P34-GB	8	25-3/16	16-1/2	2	359
104FFY-NA125P34-GB	10	29-1/8	19-3/8	2	493
124FFY-NA125P34-GB	12	34	22-5/8	2	938

[†]See "Style BA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12	24	1/16	30%	1/8	43%

Standard screens supplied are for liquid service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90040

DIMENSIONAL ASSEMBLY

PART NO.

½" to 12" 300# Flg Style BA-7

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Nickel Aluminum Bronze

REQ. ---

DR. BY DSF

Style SSA

Y-Strainer

Stainless Steel (ASTM A 351, Grade CF8M)

600 lb. Flanged



Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SSA strainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style SSA strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style SSA strainers have cap screws and can be furnished with a stainless steel blow-off plug upon request.

Blind covers are available upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

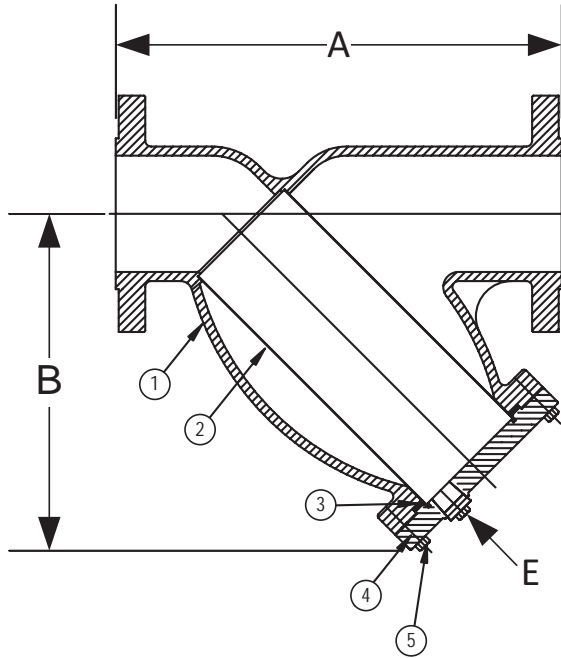
WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
600# R.F. & D. (FLANGE)	STEAM	600 PSI @ 1125°F	4138 KPa @ 607°C
	W.O.G.	1440 PSI @ 100°F	9932 KPa @ 38°C

Style SSA

Y-Strainer, 600 lb. Flanged

Stainless Steel (ASTM A 351, Grade CF8M)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Stainless Steel (ASTM A 351, Grade CF8M)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Stainless Steel (ASTM A 351, Grade CF8M)
5	Hex Head Cap Screw	Stainless Steel (ASTM A 193, Grade B8)

Optional: Blow-off Plug, Stainless Steel (304).

*Optional Body Materials Available in 304 and 400 SS, Alloy 20, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN	FOR LIQUID		OPEN
in	mm		in	mm	AREA	in	mm	AREA
2 to 4	50 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	15	6.80
3/4	20	8-3/8	213	3-3/4	95	1/2	15	20	9.07
1	25	8-3/8	213	3-3/4	95	1/2	15	20	9.07
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	27	12.25
1-1/2	40	10-1/4	360	5-1/2	140	1/2	15	27	12.25
2	50	11	279	7	178	1/2	15	31	13.83
2-1/2	65	12	305	8-1/4	210	1	25	49	21.92
3	80	13-1/2	343	9-1/4	235	1	25	63	28.17
4	100	18	457	12-1/2	318	1-1/2	40	127	57.53
6	150	25-5/8	651	20	508	2	50	339	153.51
8	200	31-3/4	806	24	610	2	50	748	338.84
10	250	37-3/4	959	28-1/2	724	2	50	1213	550.00
12	300	45-1/2	1156	34-1/2	876	2	50	1511	685.00

Larger sizes available upon request.

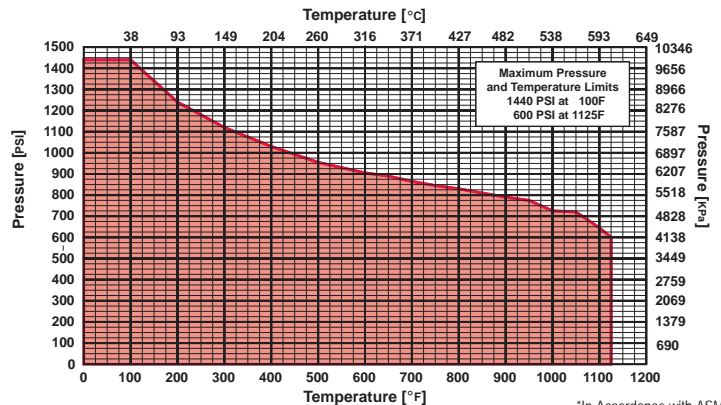
¹This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA					
Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	--	1-1/2"	--	4"	151.49
3/4"	--	2"	44.17	6"	416.73
1"	--	2-1/2"	64.14	8"	630.23
1-1/4"	--	3"	77.63	10"	894.52
12"	1313.88				

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Flanged Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.5

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Flanged “Y” Pattern Strainers (Styles A, BA, BA-7, SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8”.

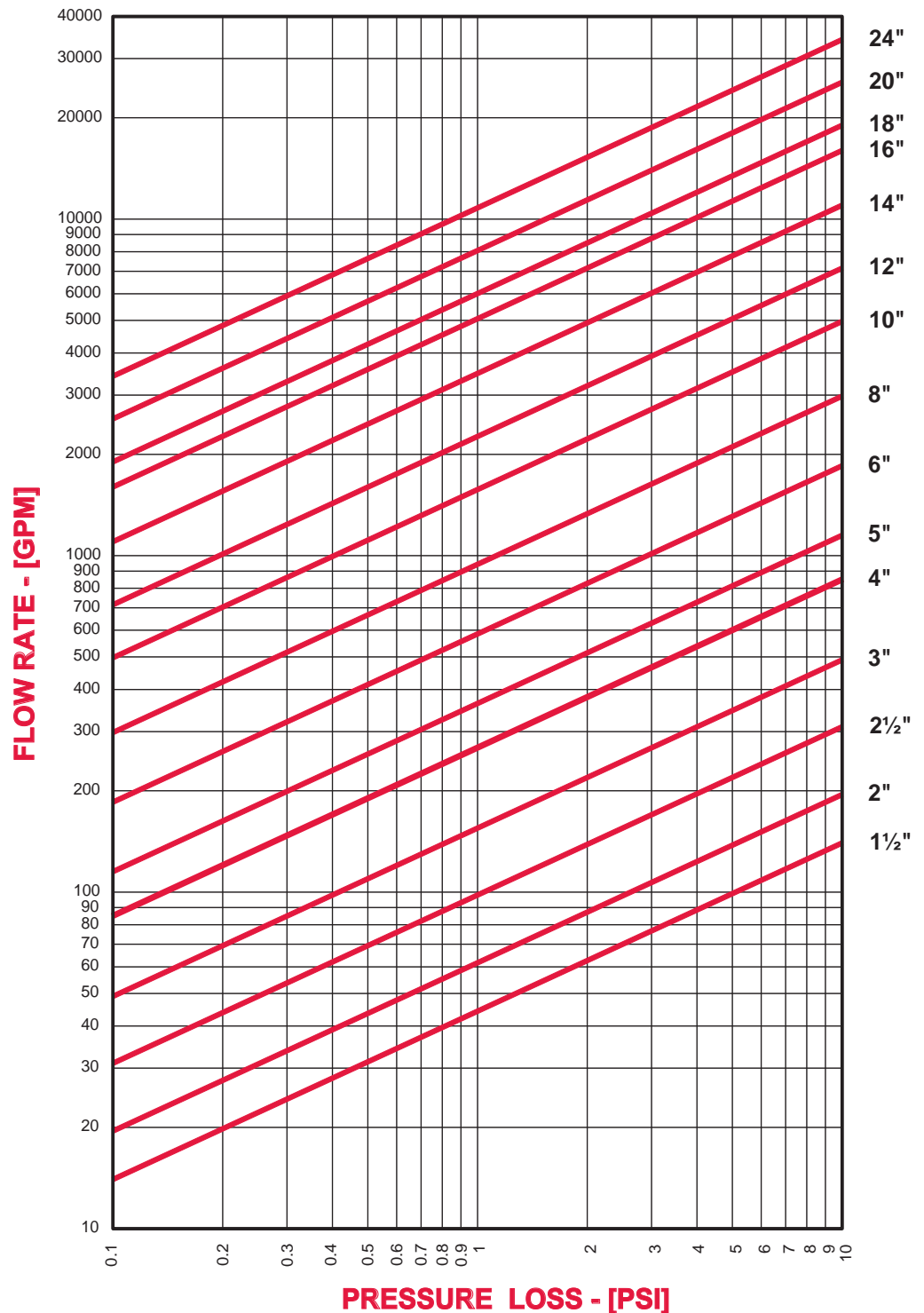
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

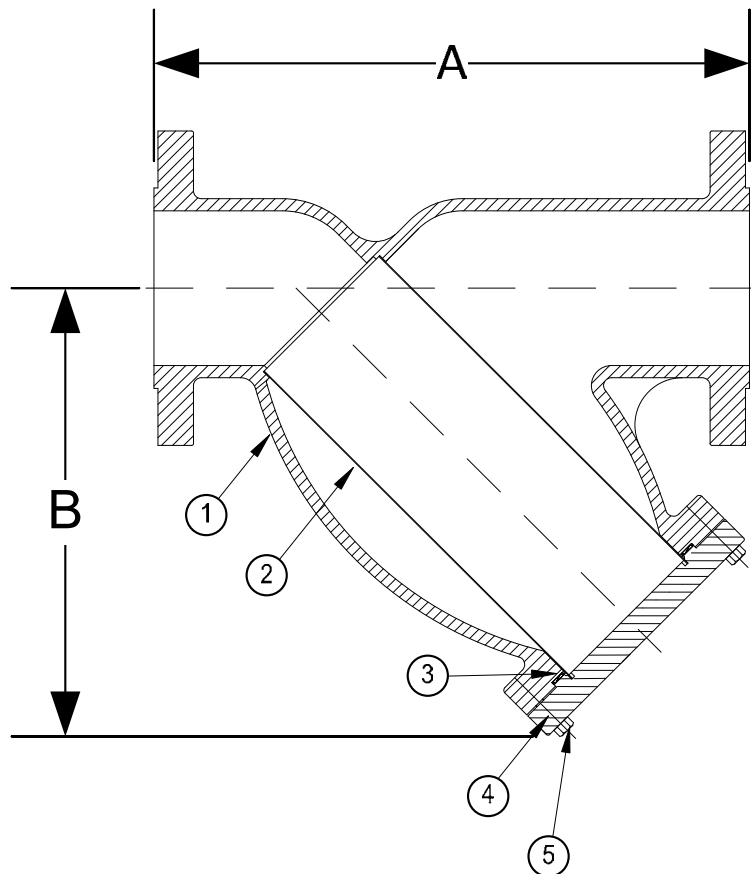
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90860



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
1500# R.F. & D. (EX. HEAVY FLANGE)	STEAM	1185 PSI @ 1150°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number ¹	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/27RFY-36033P34-GB	1/2	8-1/8	4-1/4	20
3/47RFY-36033P34-GB	3/4	9-1/16	4-3/4	30
17RFY-36033P34-GB	1	10-11/16	5-3/4	52
11/47RFY-36033P34-GB	1-1/4	12	6-3/4	65
11/27RFY-36033P34-GB	1-1/2	12	6-3/4	65
27RFY-36033P34-GB	2	13-15/16	7-1/2	93
21/27RFY-36033P34-GB	2-1/2	17-1/2	10-3/4	185
37RFY-36033P34-GB	3	17-1/2	10-3/4	185
47RFY-36033P34-GB	4	23-1/4	15	334
67RFY-36045P34-GB	6	30-5/8	20-1/2	770
87RFY-36045P34-GB	8	39	26-15/16	1200

¹See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90860

DIMENSIONAL ASSEMBLY

1/2" to 8" 1500# Flg Style SSA

PART NO.
7RFY-36

SCALE: NTS

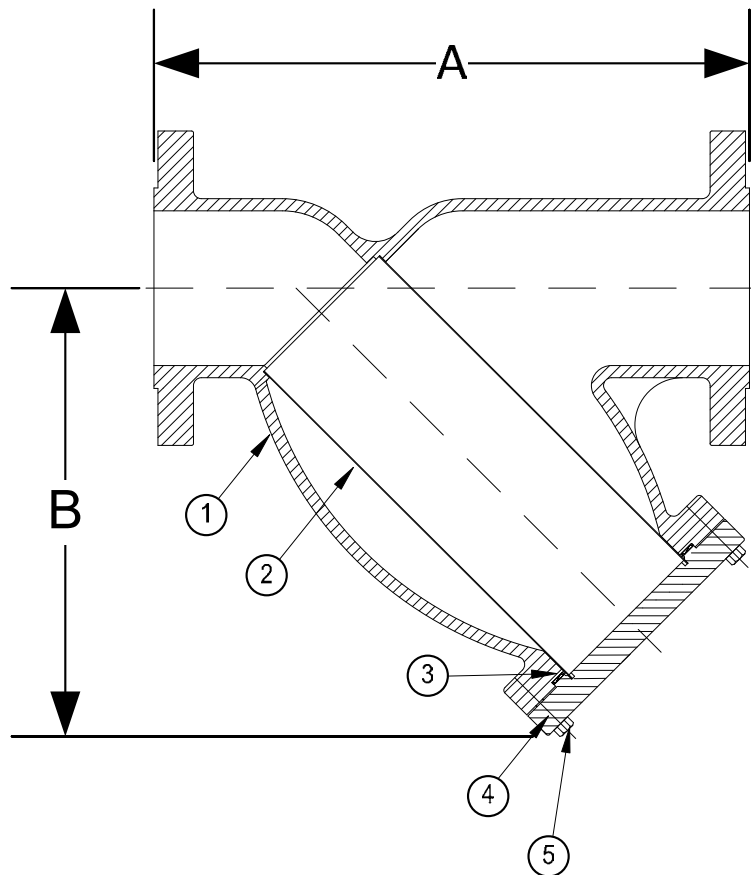
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90940



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
2500# R.F. & D. (EX. HEAVY FLANGE)	STEAM	1970 PSI @ 1150°F
	W.O.G.	6000 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number†	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/28RFY-36033P34-GB	1/2	12-5/8	7-11/16	30
3/48RFY-36033P34-GB	3/4	12-5/8	7-11/16	40
18RFY-36033P34-GB	1	12-5/8	7-11/16	65
11/48RFY-36033P34-GB	1-1/4	16-7/8	10-1/2	140
11/28RFY-36033P34-GB	1-1/2	16-7/8	10-1/2	140
28RFY-36033P34-GB	2	18-15/16	12-1/2	240
21/28RFY-36033P34-GB	2-1/2	25-3/4	18-13/16	500
38RFY-36033P34-GB	3	26-3/4	18-13/16	560
48RFY-36033P34-GB	4	33-5/8	20-1/4	850
68RFY-36045P34-GB	6	33-3/4	20	1900
88RFY-36045P34-GB	8	Consult Factory	Consult Factory	Consult Factory

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90940

DIMENSIONAL ASSEMBLY

1/2" to 8" 2500# Flg Style SSA

MAT'L: (As Noted Above)

REQ. ---

PART NO.
8RFY-36

SCALE: NTS

DATE: 09/22/2014

DR. BY DSF

Style SSA-7

Y-Strainer

Stainless Steel (ASTM A 351, Grade CF8M)

150 lb. & 300 lb. Flanged



Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SSA-7 strainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style SSA-7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. All Keckley Style SSA-7 strainers have cap screws and can be furnished with a stainless steel blow-off plug upon request.

Blind covers are available upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

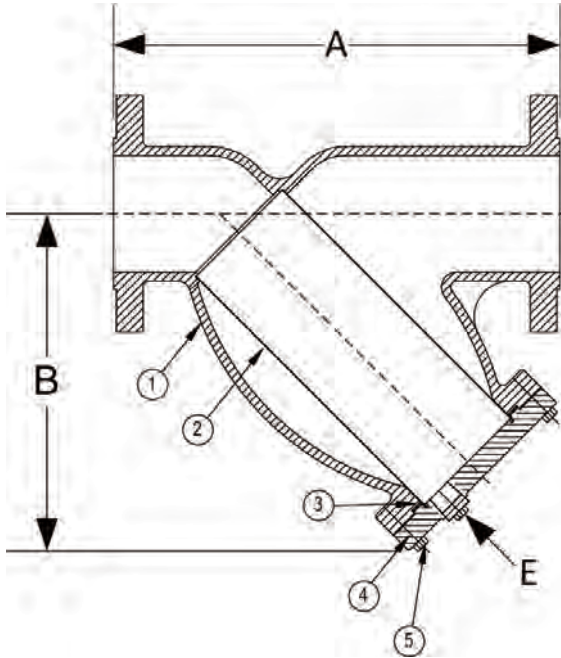
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F	1035 KPa @ 296°C
	W.O.G.	275 PSI @ 100°F	1897 KPa @ 38°C
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F	2069 KPa @ 607°C
	W.O.G.	720 PSI @ 100°F	4966 KPa @ 38°C

Style SSA-7

Y-Strainer, 150 lb. & 300 lb. Flanged
 Stainless Steel (ASTM A 351, Grade CF8M)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	Body	Stainless Steel (ASTM A 351, Grade CF8M)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cover	Stainless Steel (ASTM A 351, Grade CF8M)
5	Hex Head Cap Screw	Stainless Steel (ASTM A 193, Grade B8)

Optional: Blow-off Plug, Stainless Steel (304).

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA		FOR LIQUID	
in	mm		in	mm			in	mm
1/2 to 4	15 to 100	28	3/64	1.2	33%		1/16	1.6
5 to 10	125 to 250	22	3/64	1.2	33%		1/8	3.2
12 & 14	300 & 350	22	1/16	1.6	30%		1/8	3.2

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

[Click Here](#)
 For Your Free Quote

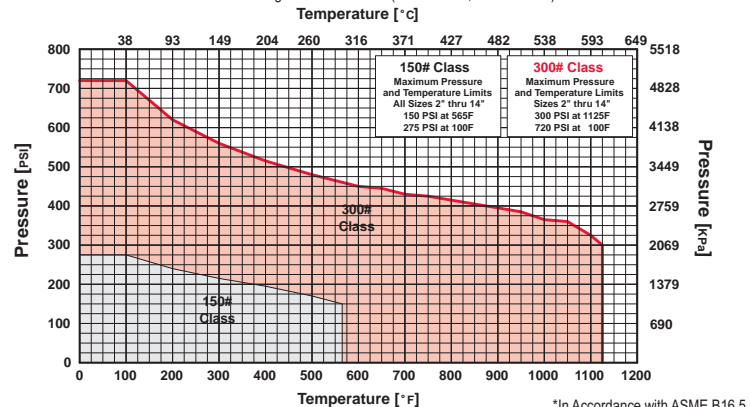
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	4"	91.89	10"	532.80
3/4"	12.32	2"	30.28	5"	209.41	12"	600.71
1"	12.32	2-1/2"	46.91	6"	241.18	(Total screen area listed for 150 lb. class only)	
1-1/4"	18.68	3"	57.62	8"	342.86		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

150# & 300# Flanged Stainless Steel (ASTM A 351, Grade CF8M)





PRESSURE DROP CHART

Flanged “Y” Pattern Strainers (Styles A, BA, BA-7, SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8”.

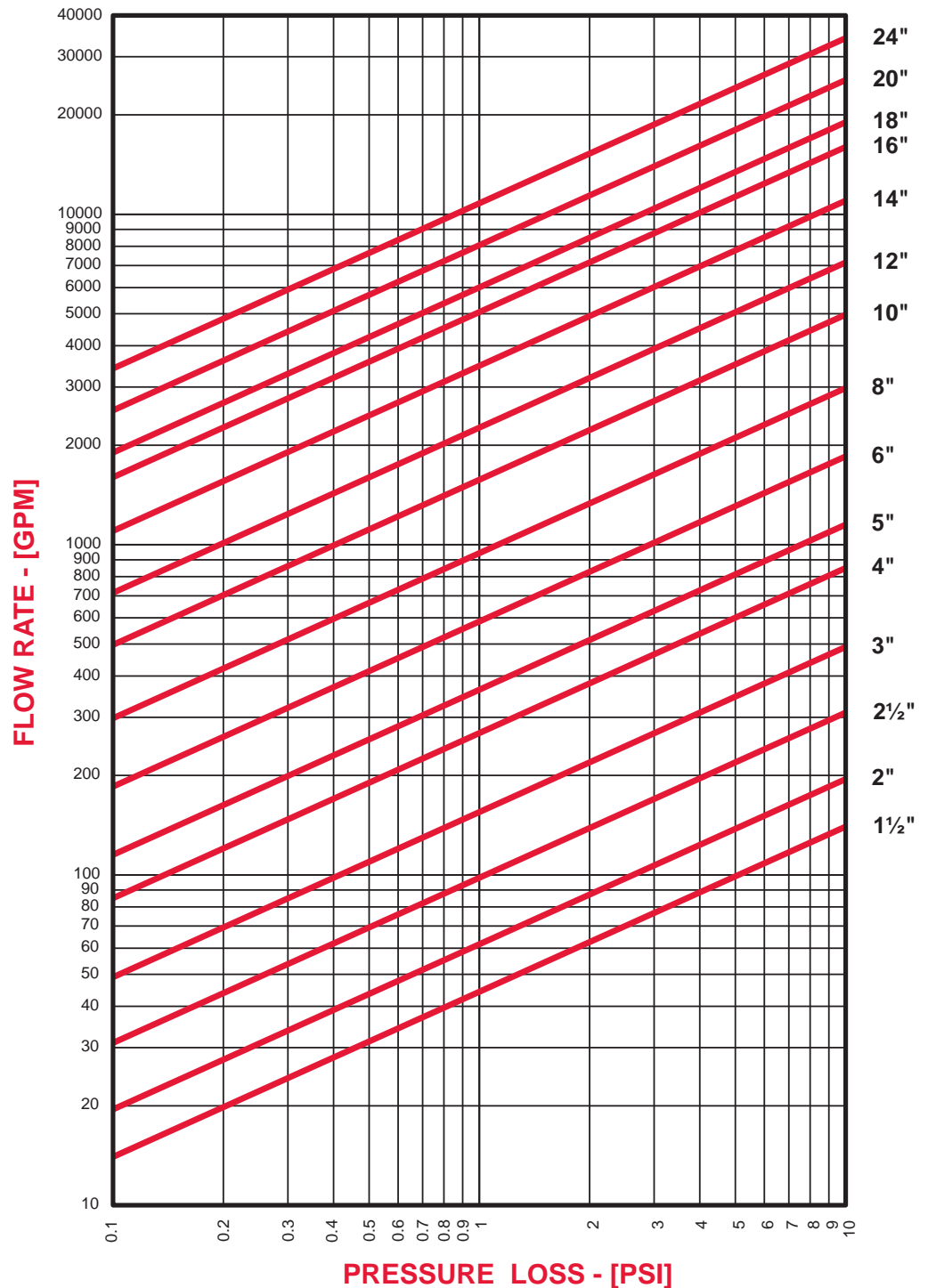
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

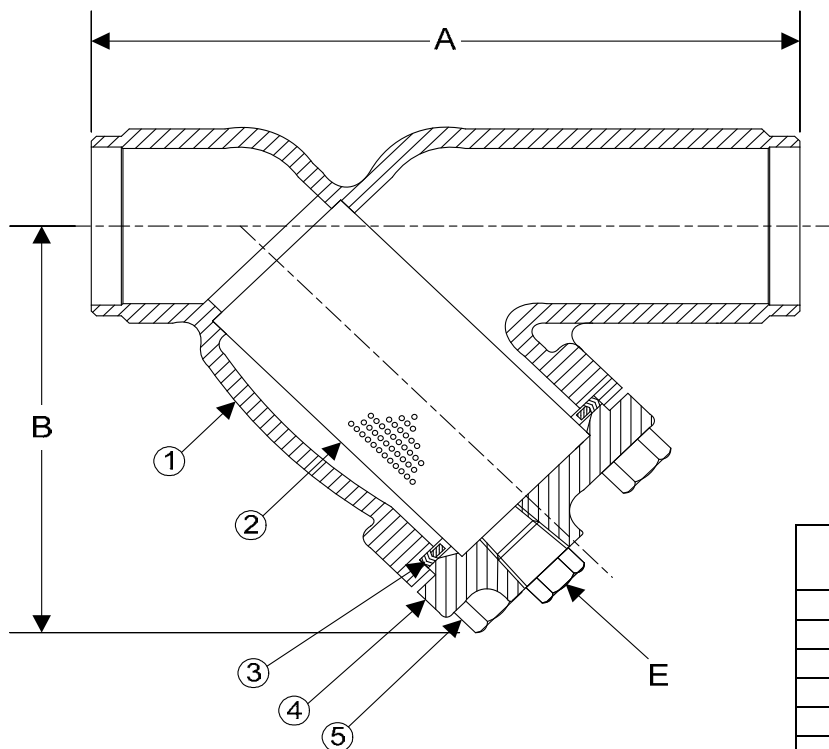
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90280



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number ¹	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-36045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 X 1-1/2	7
3/42B4Y-36045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 X 1-1/2	11
12B4Y-36045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 X 1-1/2	11
11/42B4Y-36045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 X 1-1/2	12
11/22B4Y-36045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 X 1-1/2	14
22B4Y-36045P34-GB	2	7-7/8	6	1/2	4	1/2-13 X 1-3/4	22
21/22B4Y-36045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 X 1-3/4	32
32B4Y-36045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 X 1-3/4	41
42B4Y-36045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 X 1-3/4	63
52B4Y-36045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 X 2-1/4	111
62B4Y-36045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 X 2-1/4	136
82B4Y-36045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 X 2-1/4	212
102B4Y-36045P34-GB	10	26	18-7/16	2	12	5/8-11 X 2-1/4	280
122B4Y-36062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 X 2-3/4	460

¹See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90280

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 150# Schd 40 Butt Weld Style SSA-7

SCALE: NTS

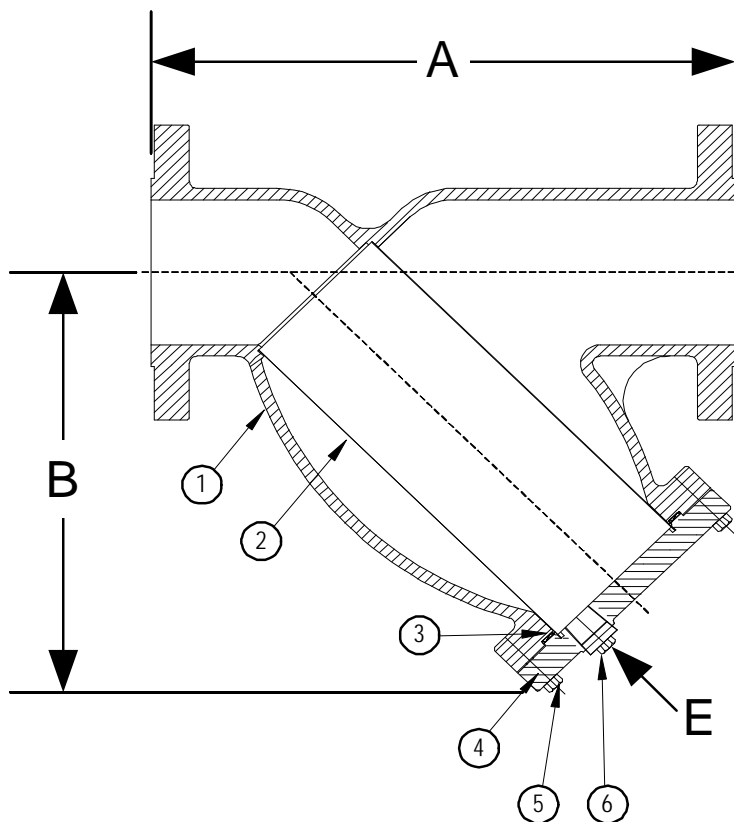
DATE: 07/01/2011

MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77024



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number ¹	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-36045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 X 1-1/2	7
3/42RFY-36045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 X 1-1/2	11
12RFY-36045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 X 1-1/2	11
11/42RFY-36045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 X 1-1/2	12
11/22RFY-36045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 X 1-1/2	14
22RFY-36045P34-GB	2	7-7/8	6	1/2	4	1/2-13 X 1-3/4	22
21/22RFY-36045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 X 1-3/4	32
32RFY-36045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 X 1-3/4	41
42RFY-36045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 X 1-3/4	63
52RFY-36045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 X 2-1/4	111
62RFY-36045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 X 2-1/4	136
82RFY-36045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 X 2-1/4	212
102RFY-36045P34-GB	10	26	18-7/16	2	12	5/8-11 X 2-1/4	280
122RFY-36062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 X 2-3/4	460
142RFY-36062P34-GB	14	34-1/2	25	2	12	3/4-10 X 3-1/4	980

¹See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77024

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SSA-7

SCALE: NTS

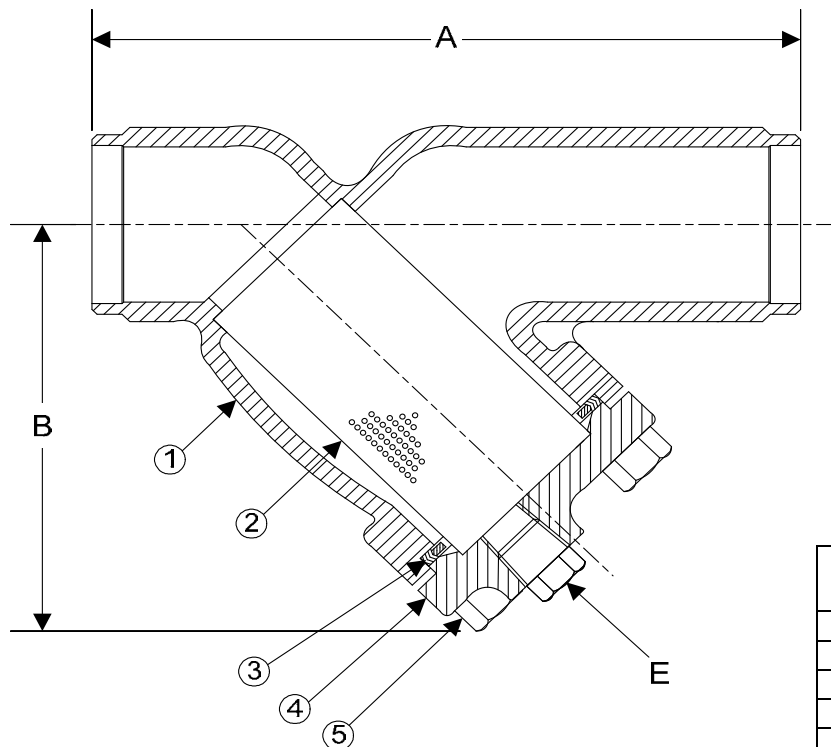
DATE: 07/01/2011

MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90320



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number ¹	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-36045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 X 1-1/2	6
3/44B4Y-36045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 X 1-1/2	13
14B4Y-36045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 X 1-1/2	13
11/44B4Y-36045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 X 1-1/2	19
11/24B4Y-36045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 X 1-1/2	19
24B4Y-36045P34-GB	2	9-1/2	6	1/2	4	1/2-13 X 1-3/4	33
21/24B4Y-36045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 X 1-3/4	44
34B4Y-36045P34-GB	3	12	7-5/16	1	4	1/2-13 X 1-3/4	58
44B4Y-36045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 X 1-3/4	90
54B4Y-36045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 X 2-1/4	180
64B4Y-36045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 X 2-1/4	180
84B4Y-36045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 X 2-3/4	304
104B4Y-36045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 X 3	470
124B4Y-36062P34-GB	12	32	21-5/8	2	20	3/4-10 X 3-1/4	709

¹See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

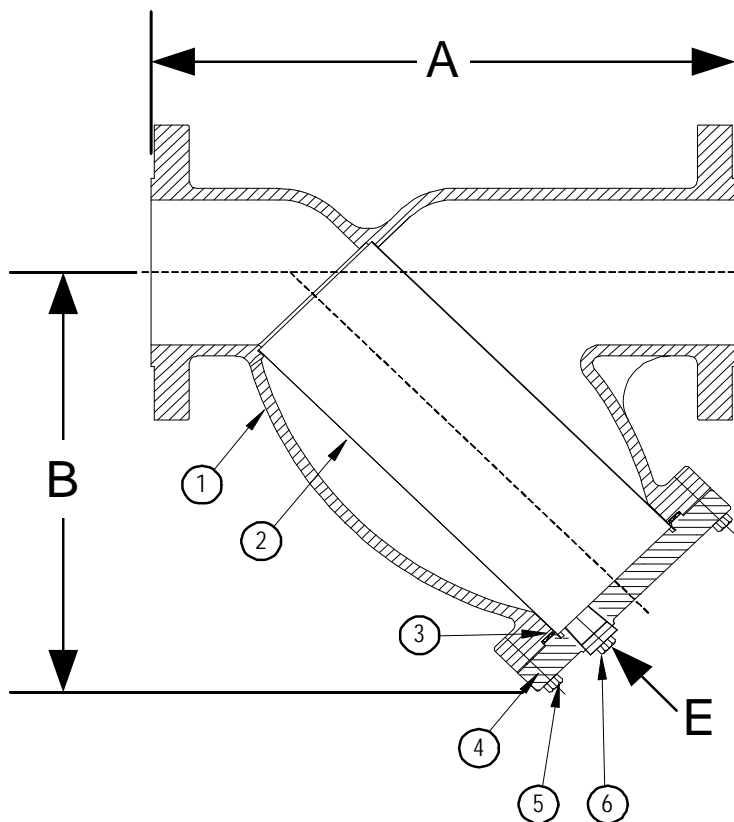
KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL90320

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 300# Schd 40 Butt Weld Style SSA-7		SCALE: NTS
		DATE: 07/01/2011
MAT'L: Cast Stainless Steel (316)	REQ. ---	DR. BY DSF

DRAWING NO.
AL 77026



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number ¹	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-36045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 X 1-1/2	6
3/44RFY-36045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 X 1-1/2	13
14RFY-36045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 X 1-1/2	13
11/44RFY-36045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 X 1-1/2	19
11/24RFY-36045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 X 1-1/2	19
24RFY-36045P34-GB	2	9-1/2	6	1/2	4	1/2-13 X 1-3/4	33
21/24RFY-36045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 X 1-3/4	44
34RFY-36045P34-GB	3	12	7-5/16	1	4	1/2-13 X 1-3/4	58
44RFY-36045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 X 1-3/4	90
54RFY-36045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 X 2-1/4	180
64RFY-36045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 X 2-1/4	180
84RFY-36045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 X 2-3/4	304
104RFY-36045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 X 3	470
124RFY-36062P34-GB	12	32	21-5/8	2	20	5/8-11 X 3-1/4	709
144RFY-36062P34-GB	14	36	25	2	16	3/4-10 X 3-1/2	1300

¹See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77026

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SSA-7

SCALE: NTS

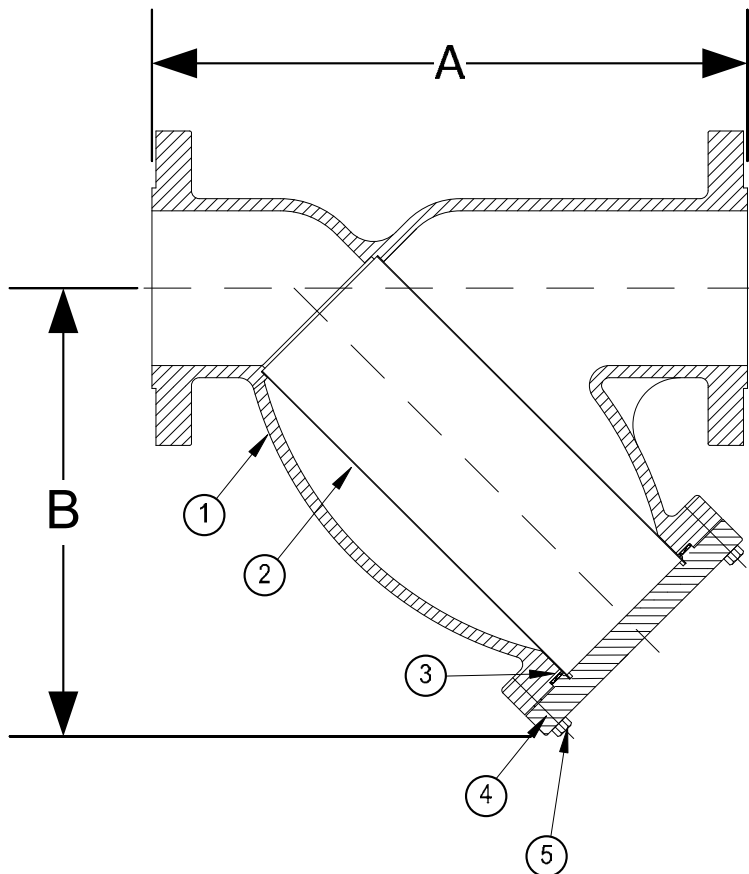
MAT'L: Cast Stainless Steel (316)

REQ. ---

DATE: 12/11/2013

DR. BY DSF

DRAWING NO.
AL 90780



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
900# R.F. & D. (EX. HEAVY FLANGE)	STEAM	710 PSI @ 1150°F
	W.O.G.	2160 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number ¹	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/26RFY-36033P34-GB	1/2	8-1/8	4-1/4	20
3/46RFY-36033P34-GB	3/4	9-1/16	4-3/4	30
16RFY-36033P34-GB	1	10-11/16	5-3/4	52
11/46RFY-36033P34-GB	1-1/4	12	6-3/4	65
11/26RFY-36033P34-GB	1-1/2	12	6-3/4	65
26RFY-36033P34-GB	2	13-15/16	7-1/2	93
21/26RFY-36033P34-GB	2-1/2	17-1/2	10-3/4	185
36RFY-36033P34-GB	3	17-1/2	10-3/4	185
46RFY-36033P34-GB	4	23-1/4	15	250
66RFY-36045P34-GB	6	27-3/4	18-7/8	560
86RFY-36045P34-GB	8	33-1/4	23-7/8	1000

¹See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90780

DIMENSIONAL ASSEMBLY

1/2" to 8" 900# Flg Style SSA

PART NO.
6RFY-36

SCALE: NTS

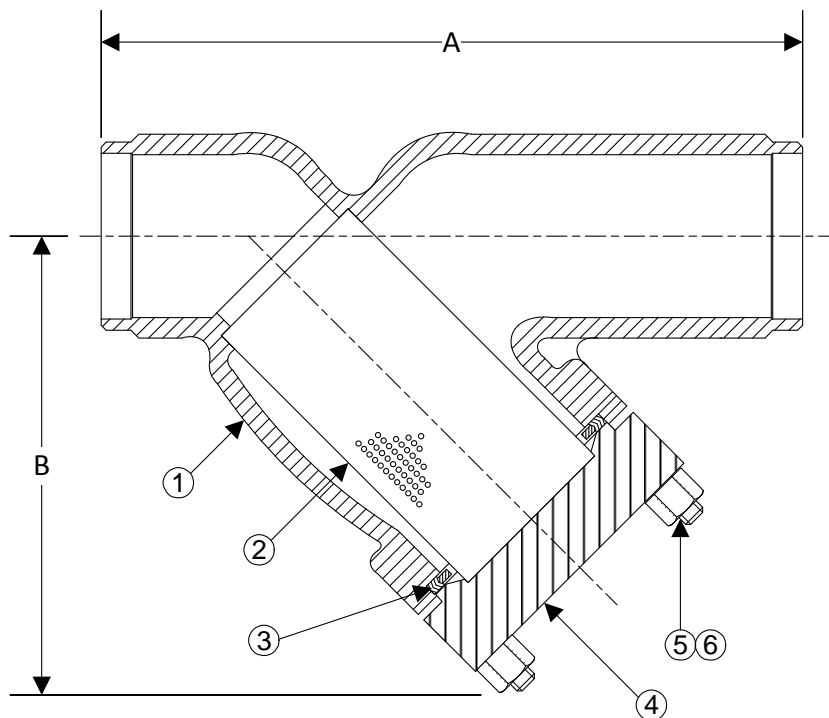
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90900



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
1500# SCH 160 (BUTT WELD)	STEAM	1185 PSI @ 1150°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number ¹	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/27B9Y-36033P34-GB	1/2	7-3/8	4-1/4	20
3/47B9Y-36033P34-GB	3/4	8-3/16	4-3/4	30
17B9Y-36033P34-GB	1	9-11/16	5-3/4	52
11/47B9Y-36033P34-GB	1-1/4	12	6-3/4	65
11/27B9Y-36033P34-GB	1-1/2	12	6-3/4	65
27B9Y-36033P34-GB	2	13-15/16	7-1/2	93
21/27B9Y-36033P34-GB	2-1/2	17-1/2	10-3/4	185
37B9Y-36033P34-GB	3	17-1/2	10-3/4	185
47B9Y-36033P34-GB	4	12-1/4	15	334
67B9Y-36045P34-GB	6	30-5/8	18-7/8	770
87B9Y-36045P34-GB	8	39	12-7/8	1200

¹See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90900

DIMENSIONAL ASSEMBLY

1/2" to 8" 1500# Butt Weld Style SSA

PART NO.
7B9Y-36

SCALE: NTS

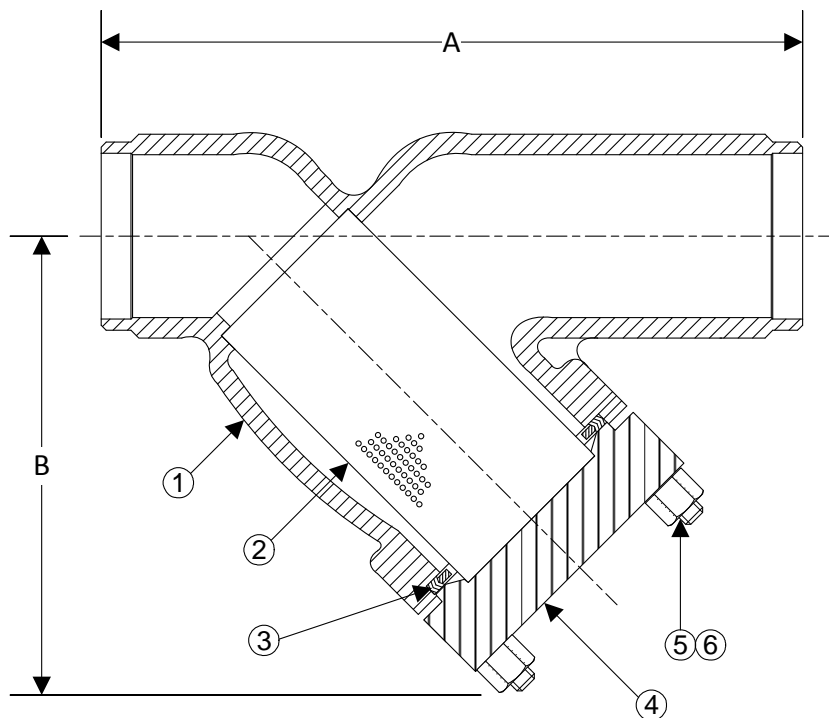
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90980



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
2500# SCH XXS (BUTT WELD)	STEAM	1970 PSI @ 1150°F
	W.O.G.	6000 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number†	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/28BZY-36033P34-GB	1/2	12-5/8	7-11/16	30
3/48BZY-36033P34-GB	3/4	12-5/8	7-11/16	40
18BZY-36033P34-GB	1	12-5/8	7-11/16	65
11/48BZY-36033P34-GB	1-1/4	16-7/8	10-1/2	140
11/28BZY-36033P34-GB	1-1/2	16-7/8	10-1/2	140
28BZY-36033P34-GB	2	17	12-1/2	240
21/28BZY-36033P34-GB	2-1/2	23	18-13/16	500
38BZY-36033P34-GB	3	23	18-13/16	560
48BZY-36033P34-GB	4	33-3/8	20-1/4	850
68BZY-36045P34-GB	6	31	20	1900
88BZY-36045P34-GB	8	Consult Factory	Consult Factory	Consult Factory

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90980

DIMENSIONAL ASSEMBLY

PART NO.
8BZY-36

1/2" to 8" 2500# Butt Weld Style SSA

SCALE: NTS

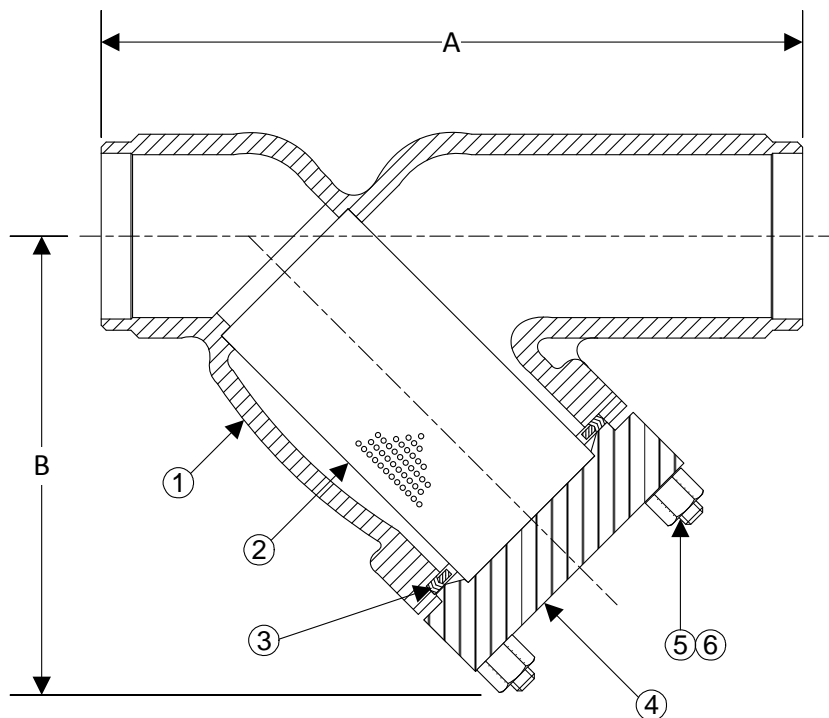
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90820



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 8"
900# SCH 160 (BUTT WELD)	STEAM	710 PSI @ 1150°F
	W.O.G.	2160 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUDS	ALLOY STEEL (ASTM A 193, GRADE B)
6	HEAVY HEX NUTS	ALLOY STEEL (ASTM A 194,)

Product Number†	SIZE	DIMENSIONS (in)		WEIGHT (lbs)
		A	B	
1/26B9Y-36033P34-GB	1/2	7-3/8	4-1/4	20
3/46B9Y-36033P34-GB	3/4	8-3/16	4-3/4	30
16B9Y-36033P34-GB	1	9-1/16	5-3/4	52
11/46B9Y-36033P34-GB	1-1/4	12	6-3/4	65
11/26B9Y-36033P34-GB	1-1/2	12	6-3/4	65
26B9Y-36033P34-GB	2	13-15/16	7-1/2	93
21/26B9Y-36033P34-GB	2-1/2	17-1/2	10-3/4	185
36B9Y-36033P34-GB	3	17-1/2	10-3/4	185
46B9Y-36033P34-GB	4	23-3/8	15	250
66B9Y-36045P34-GB	6	31	18-7/8	560
86B9Y-36045P34-GB	8	Consult Factory	Consult Factory	Consult Factory

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	1/32	29%	1/16	30%
5 to 8	24	3/64	33%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90820

DIMENSIONAL ASSEMBLY

1/2" to 8" 900# Butt Weld Style SSA

PART NO.
6B9Y-36

SCALE: NTS

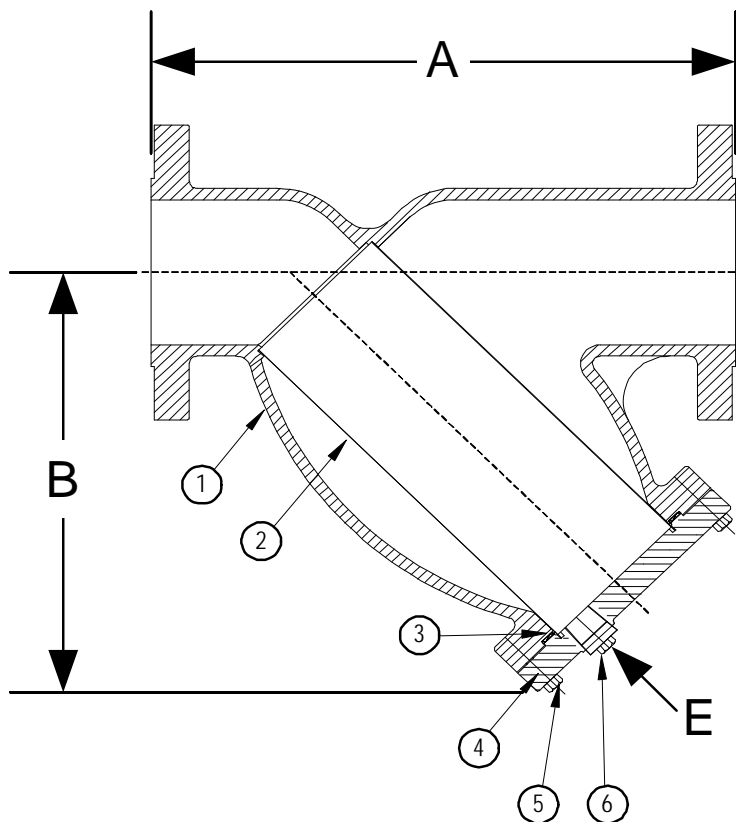
DATE: 09/22/2014

MAT'L: (As Noted Above)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90360



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number [†]	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-36045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 X 1-1/2	6
3/45RFY-36045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 X 1-1/2	13
15RFY-36045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 X 1-1/2	13
11/45RFY-36045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 X 1-1/2	19
11/25RFY-36045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 X 1-1/2	27
25RFY-36045P34-GB	2	11	7	1/2	4	1/2-13 X 1-3/4	40
21/25RFY-36045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 X 2	60
35RFY-36045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 X 2	78
45RFY-36045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 X 2-1/4	160
65RFY-36045P34-GB	6	25-5/8	20	2	12	5/8-11 X 2-3/8	364
85RFY-36045P34-GB	8	31-3/4	24	2	12	5/8-11 X 3-3/4	670
105RFY-36045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 X 4-1/8	1090
125RFY-36062P34-GB	12	45-1/2	34-1/2	2	16	5/8-11 X 4-3/4	1558

[†]See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90360

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SSA

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

Style SSB

Y-Strainer

Stainless Steel (ASTM A 351, Grade CF8M)

1500 lb. Threaded

1500 lb. Socket Weld



Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SSB strainers are constructed from rugged 316 stainless steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SSB strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for both high pressure and high temperature service. The cover is not supplied with a blow-off hole.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

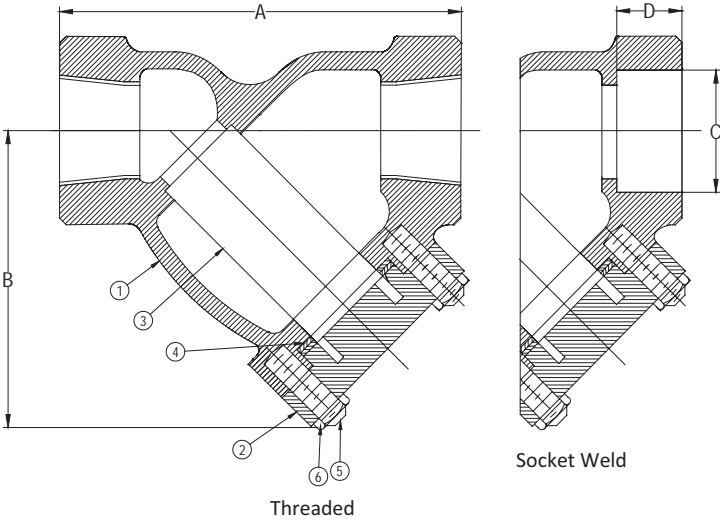
Warning: See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"	15 mm to 80 mm
1500# (THREADED & SOCKET WELD)	STEAM	1500 PSI @ 1125°F	10346 KPa @ 607°C
	W.O.G.	3600 PSI @ 100°F	24829 KPa @ 38°C

Style SSB

**Y-Strainer, 1500 lb. Threaded & Socket Weld
Stainless Steel (ASTM A 351, Grade CF8M)**



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	Body	Stainless Steel (ASTM A 351, Grade CF8M)
2	Cover	Stainless Steel (ASTM A 351, Grade CF8M)
3	Screen	Stainless Steel (304)
4	Gasket	Spiral Wound Stainless Steel (304)
5	Studs	Stainless Steel (ASTM A 193, Grade B8)
6	Nuts	Stainless Steel (ASTM A 194, Grade 8)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Hastelloy, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
			in	mm		in	mm	
1/2 to 3	15 to 80	26	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS								WEIGHTS	
		A		B		C		D			
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76.2	0.855	22	3/8	10	10	5
3/4	20	4-5/16	109.5	3-3/4	95.3	1.065	27	1/2	13	12	5
1	25	6	152.4	5-3/4	146	1.330	34	1/2	13	15	7
1-1/4	32	8-1/4	209.6	5-1/2	139.7	1.675	43	1/2	13	22	10
1-1/2	40	8-1/4	209.6	5-1/2	139.7	1.915	49	1/2	13	22	10
2	50	9-5/16	236.2	9-1/4	235	2.406	61	5/8	16	30	14
2-1/2	65	12	304.8	10-1/2	266.7	2.906	74	5/8	16	50	23
3	80	12	304.8	10-1/2	266.7	3.535	90	5/8	16	50	23

Certified dimensional drawings are available upon request.

*This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

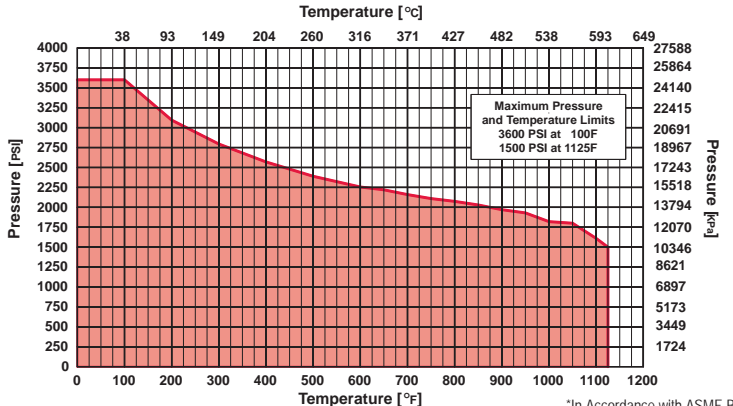
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	5.97	1-1/4"	27.94	2-1/2"	77.80
3/4"	9.73	1-1/2"	27.94	3"	79.48
1"	17.55	2"	38.08		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

1500# Threaded & Socket Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

**Click Here
For Your Free Quote**

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

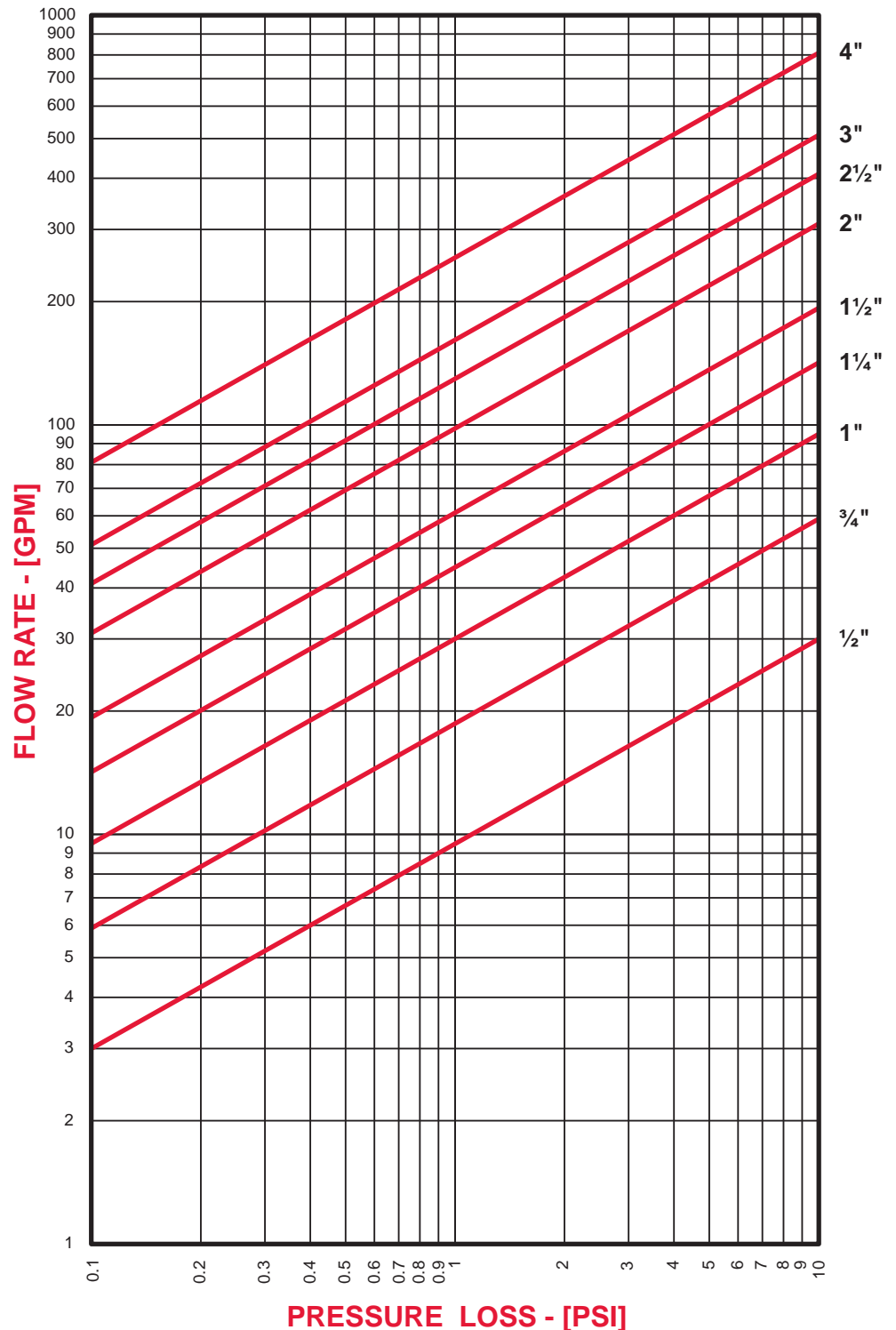
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



Style SSB-7

Y-Strainer

Stainless Steel (ASTM A 351, Grade CF8M)

600 lb. Threaded

600 lb. Socket Weld



Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SSB-7 strainers are constructed from rugged 316 stainless steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SSB-7 strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. This strainer has a straight threaded cap and is furnished standard with a NPT blow-off connection. The gasket is 304 stainless steel spiral wound and is compressed between the body and cap (for maximum strength and durability) and designed for both high pressure and high temperature service. Keckley Style SSB-7 strainers can be supplied with a stainless steel blow-off plug upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

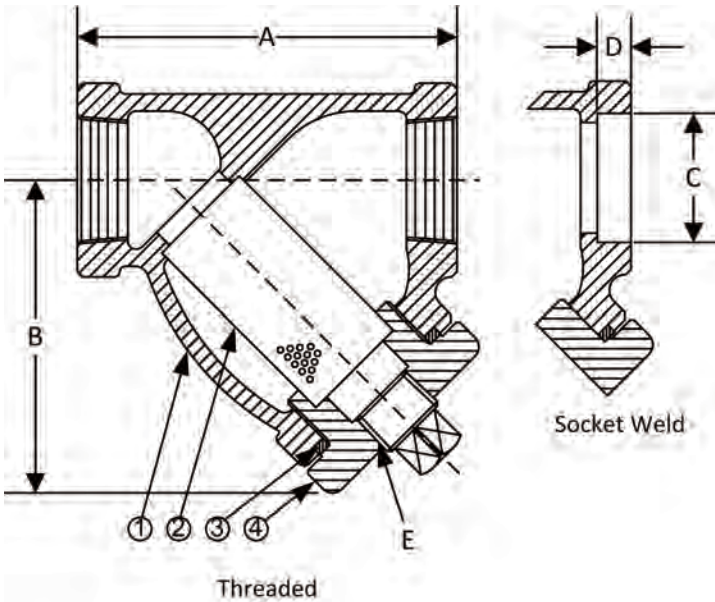
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 1125°F	4138 KPa @ 607°C
	W.O.G.	1440 PSI @ 100°F	9932 KPa @ 38°C

Style SSB-7

Y-Strainer, 600 lb. Threaded & Socket Weld
Stainless Steel (ASTM A 351, Grade CF8M)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Stainless Steel (ASTM A 351, Grade CF8M)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cap	Stainless Steel (ASTM A 351, Grade CF8M)

Optional: Blow-off Plug, Carbon Steel (ASTM A 105).

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Hastelloy, Inconel, Monel and Stellite..

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
in	mm		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
1/4 to 3	8 to 80	22	3/64 1.2	33%	1/16 1.6	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E		lbs	kgs
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
1/4	8	2-15/16	75	2-7/16	62	0.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	0.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	0.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	22	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

Click Here
For Your Free Quote

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

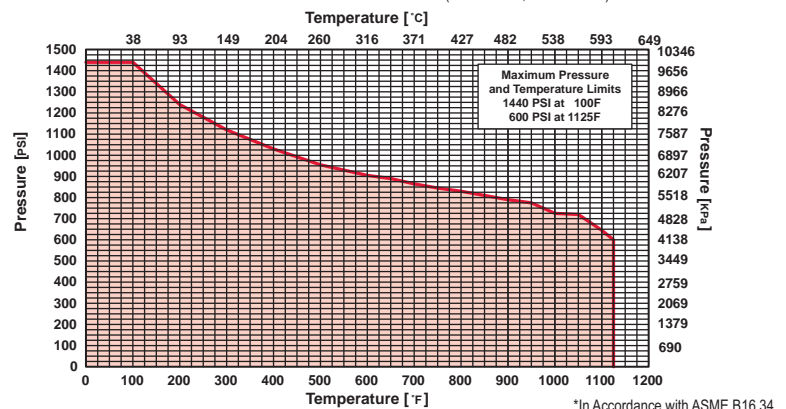
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Threaded & Socket Weld Stainless Steel (ASTM A 351, Grade CF8M)



PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

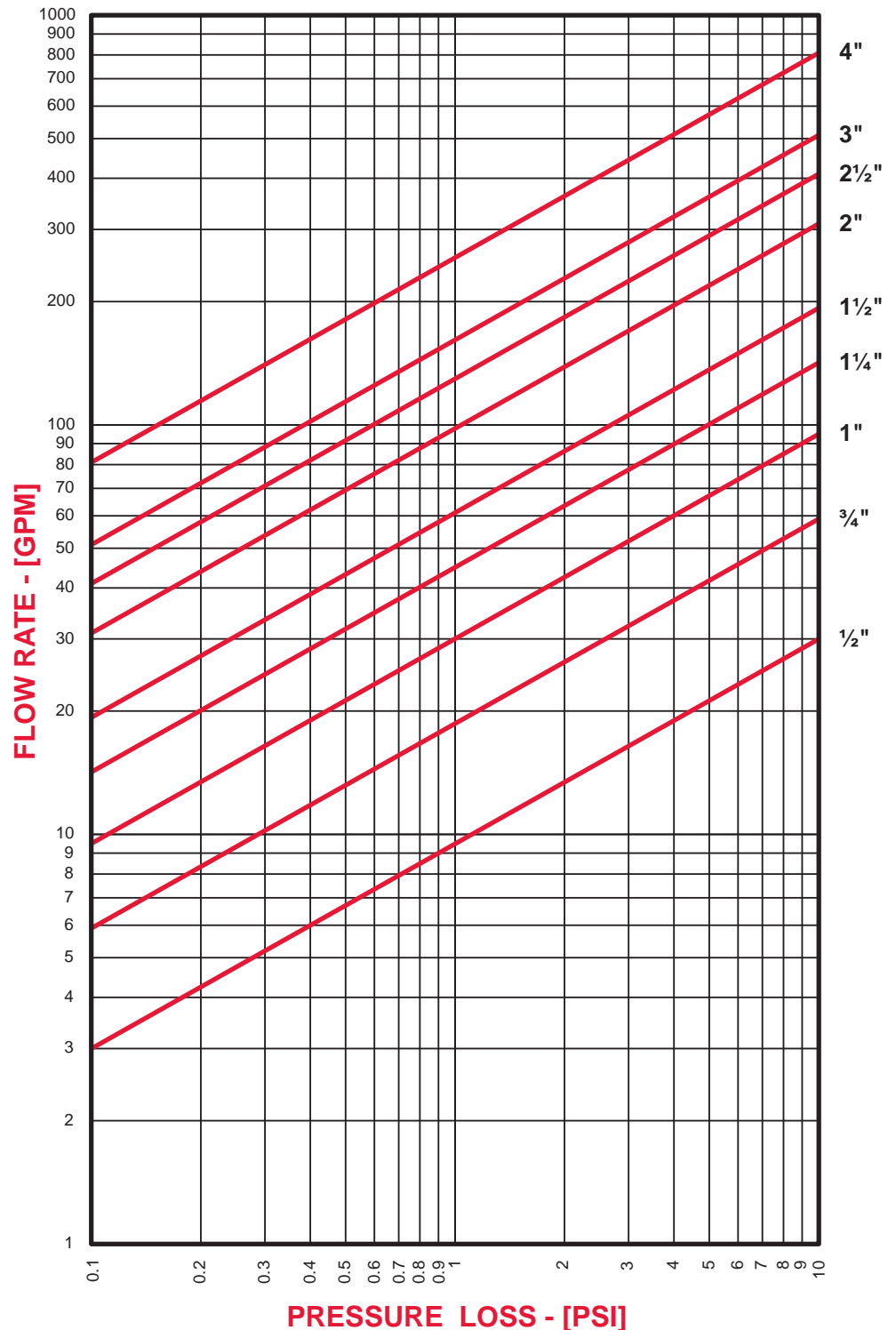
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



Style SSB-7BC

Y-Strainer

Stainless Steel (ASTM A 351, Grade CF8M)

600 lb. Threaded Bolted Cover

600 lb. Socket Weld Bolted Cover



Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

Steam, water, oil or gas where protection from foreign matter in a pipeline is required.

CONSTRUCTION

The Keckley Style SSB-7BC strainers are constructed from rugged 316 stainless steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SSB-7BC strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. This strainer has a straight threaded cap and is furnished standard with a NPT blow-off connection. The gasket is 304 stainless steel spiral wound and is compressed between the body and cap (for maximum strength and durability) and designed for both high pressure and high temperature service. Keckley Style SSB-7BC strainers can be supplied with a stainless steel blow-off plug upon request.

SCREENS

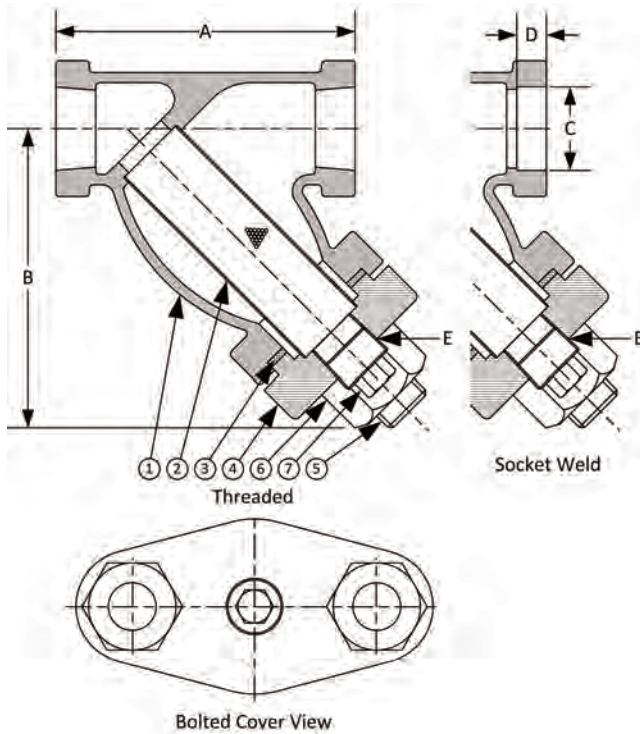
Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *steam* will be supplied.

SELF CLEANING

Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 1125°F	4138 KPa @ 607°C
	W.O.G.	1440 PSI @ 100°F	9932 KPa @ 38°C



Style SSB-7BC

Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover

Stainless Steel (ASTM A 351, Grade CF8M)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	Stainless Steel (ASTM A 351, Grade CF8M)
2	Screen	Stainless Steel (304)
3	Gasket	Spiral Wound Stainless Steel (304)
4	Cap	Stainless Steel (ASTM A 351, Grade CF8M)
5	Stud	Stainless Steel (ASTM A 193, Grade B8)
6	Nut	Stainless Steel (ASTM A 194, Grade 8)
7	Plug	Stainless Steel (ASTM A 182, Grade F-304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Hastelloy, Inconel, Monel and Stellite..

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION			
			FOR STEAM		FOR LIQUID	
in	mm		in	mm	AREA	OPEN AREA
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16 1.6 30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-1/2	63	0.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	0.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	0.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	22	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

[Click Here](#)
For Your Free Quote

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

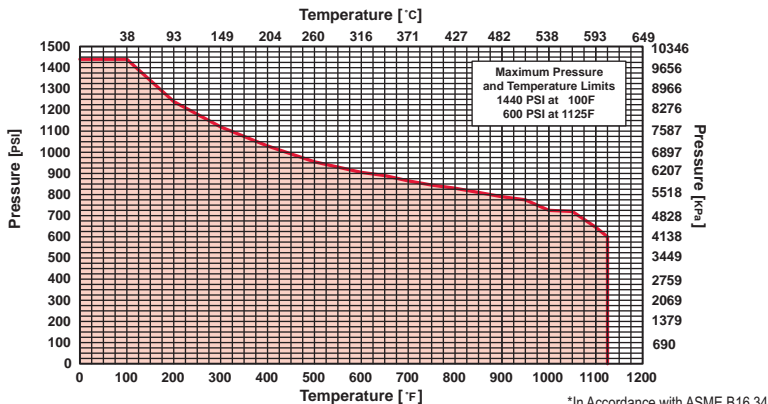
TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	4.36	1"	13.84	2-1/2"	69.82
3/8"	4.36	1-1/4"	20.83	3"	69.82
1/2"	4.36	1-1/2"	24.02		
3/4"	9.37	2"	35.48		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

PRESSURE vs. TEMPERATURE CHART

600# Threaded & Socket Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles B, BDI, E-150, F-150, F-300, SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

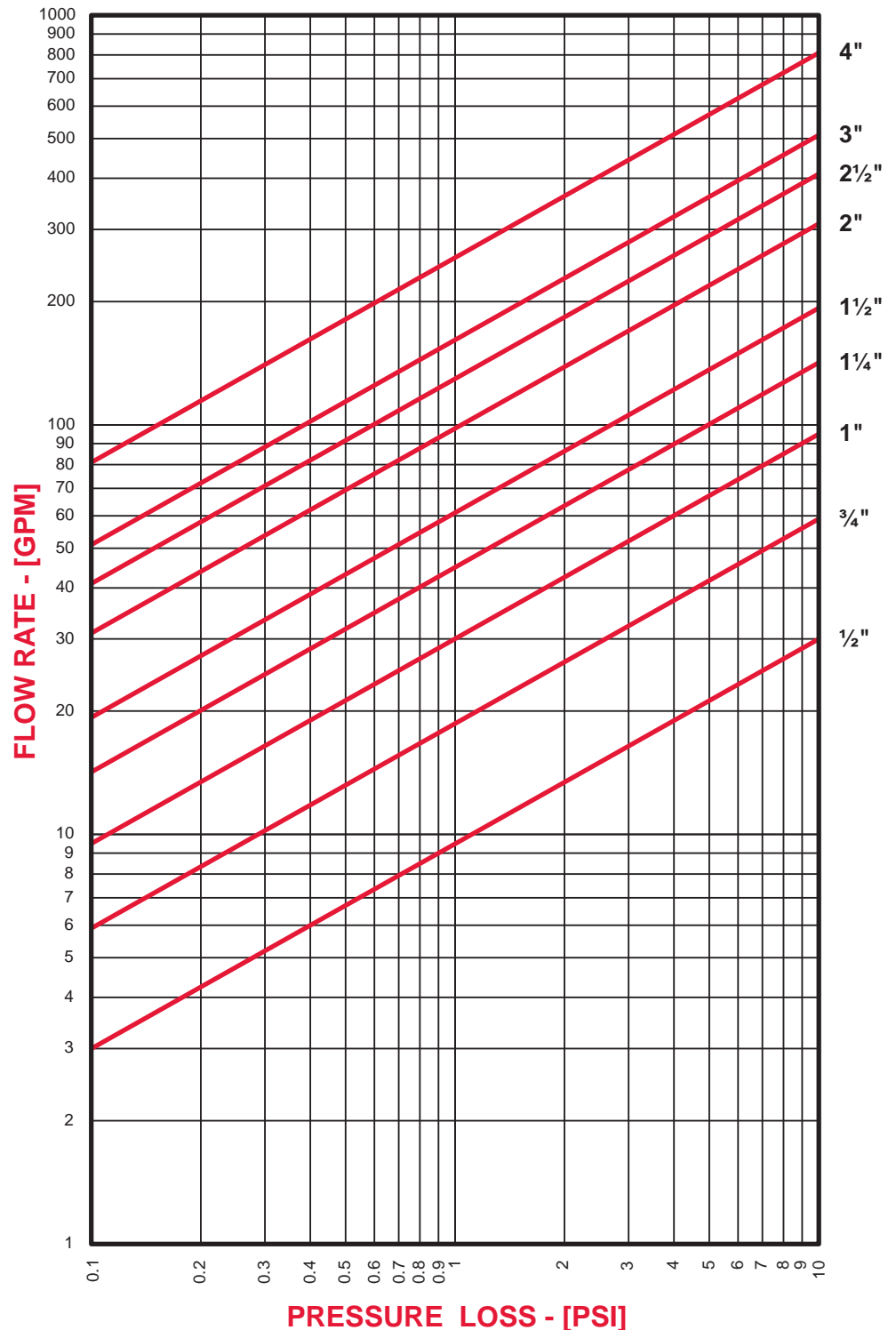
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

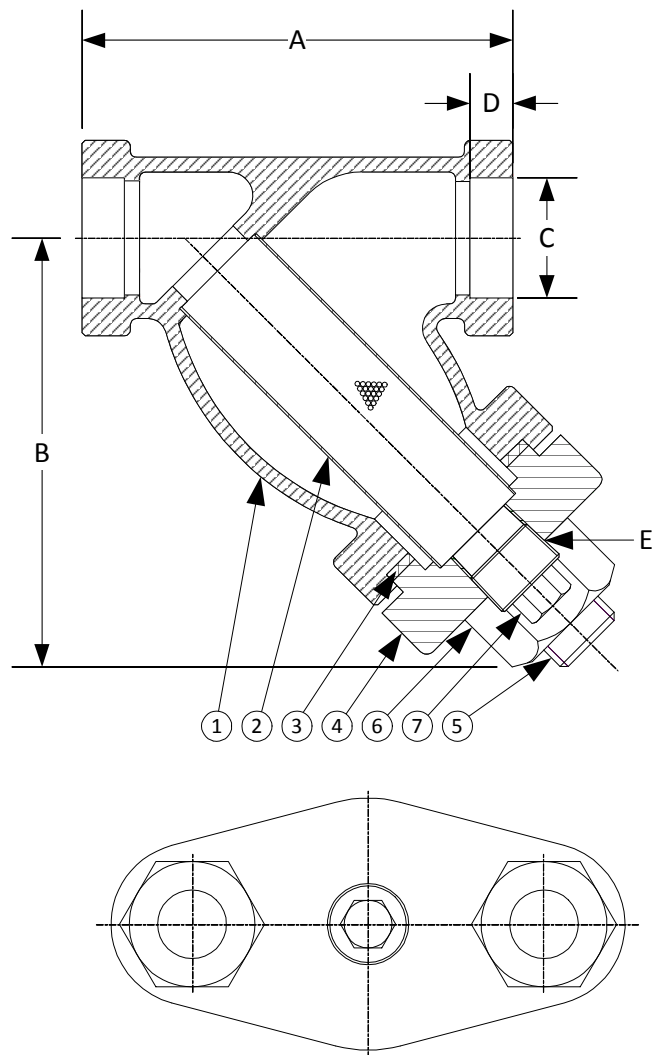
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-36045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-36045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-36045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-36045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-36045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-36045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-36045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-36045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-36045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-36045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7BC

SCALE: NTS

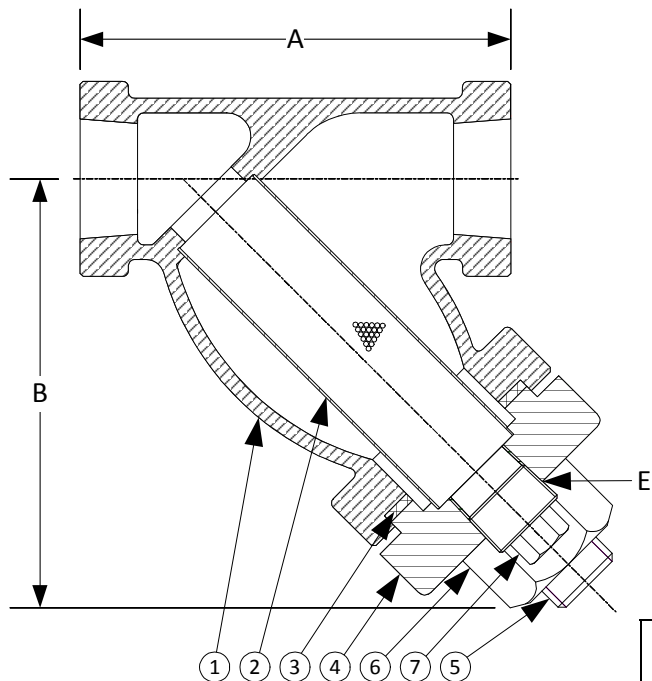
DATE: 07/01/2011

MAT'L: 316 Stainless Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-36045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-36045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-36045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-36045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-36045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-36045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-36045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-36045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-36045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-36045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7BC

SCALE: NTS

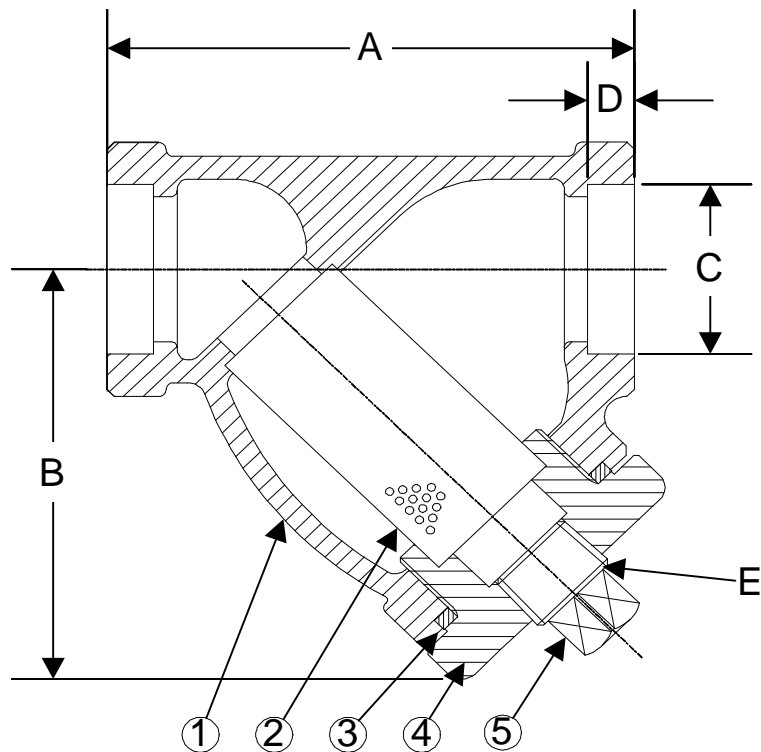
DATE: 07/01/2011

MAT'L: 316 Stainless Steel

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77016



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	STAINLESS STEEL (ASTM A 351, GRADE CF8M)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-36045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-36045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-36045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-36045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-36045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-36045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-36045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-36045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-36045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-36045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77016

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7

SCALE: NTS

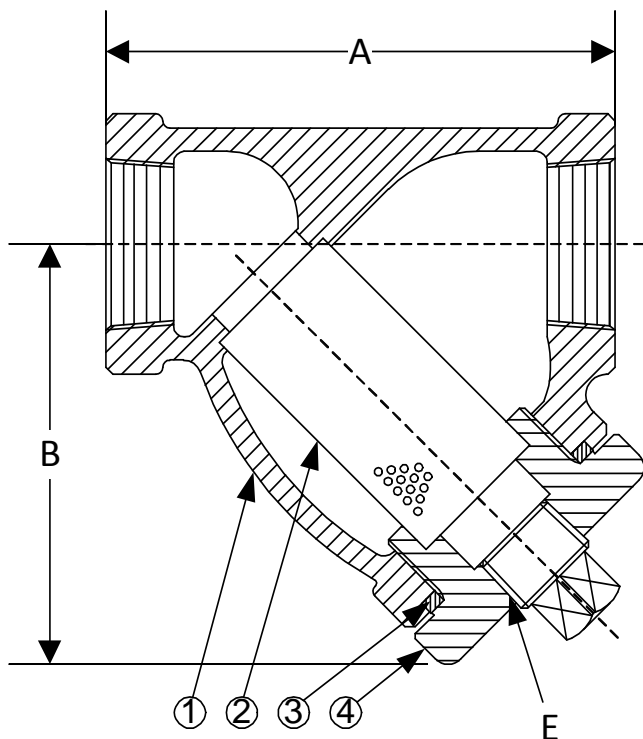
DATE: 07/01/2011

MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77014



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	STAINLESS STEEL (ASTM A 351, GRADE CF8M)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-36045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-36045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-36045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-36045P34-GT	3/4	3-11/16	3	3/8	5
15THY-36045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-36045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-36045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-36045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-36045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-36045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77014

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7

SCALE: NTS

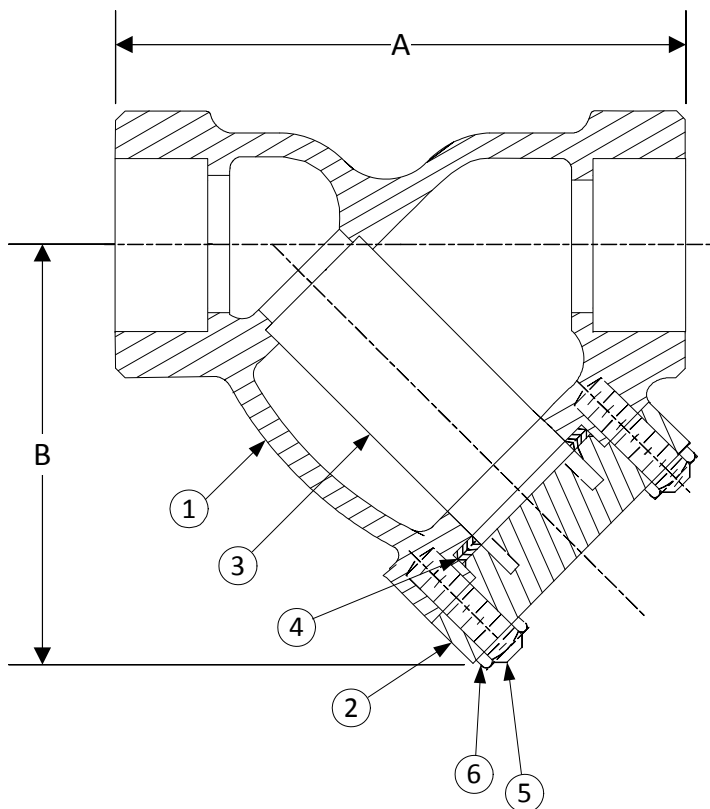
DATE: 07/01/2011

MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90460



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (SOCKET WELD)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-36033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-36033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-36033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-36033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-36033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-36033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-36033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-36033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90460

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SSB

SCALE: NTS

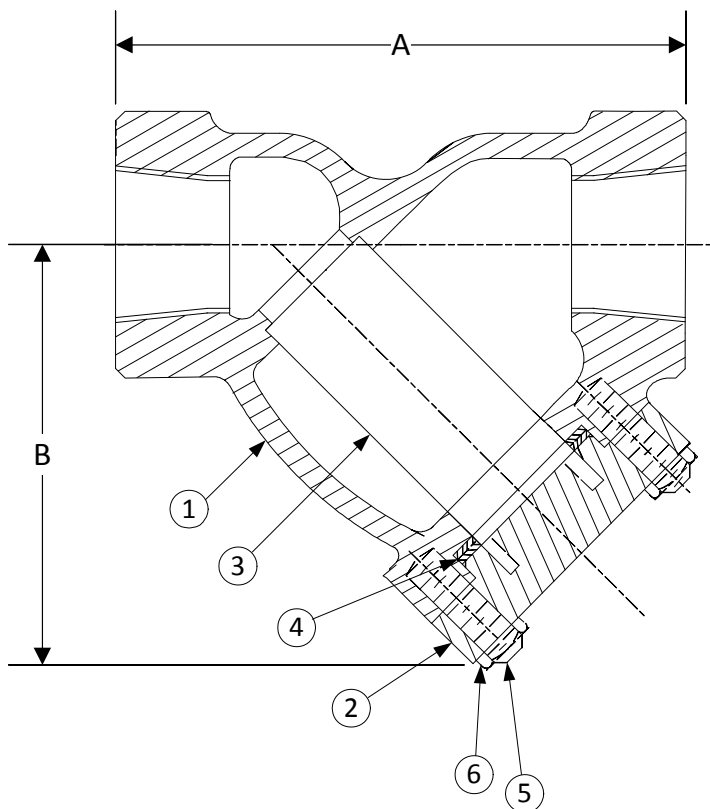
DATE: 11/30/2016

MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90440



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-36033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-36033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-36033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-36033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-36033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-36033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-36033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-36033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90440

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SSB

SCALE: NTS

DATE: 11/30/2016

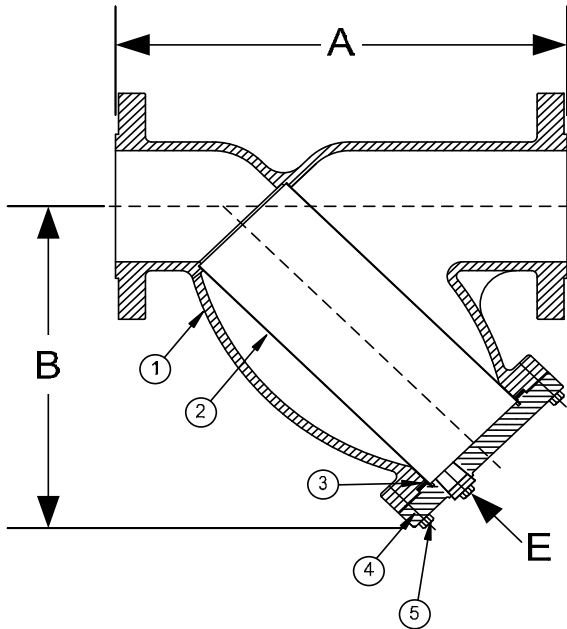
MAT'L: Cast Stainless Steel (316)

REQ. ---

DR. BY DSF

Style SSA-7T7

Y-Strainer, 150 lb. & 300 lb. Flanged
Cast Titanium (ASTM B 367, Grade PD7B)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 to 14	300 to 350	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS			
		A				B				E					
		150#		300#		150#		300#		150# & 300#		150#		300#	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/2	15	6-1/2	165	6-1/8	156	3-3/4	95	3-3/4	95	3/8	10	7	3	6	3
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	11	5	13	6
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	12	5	19	9
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6	19	9
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	22	10	33	15
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	32	15	44	20
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	41	19	58	26
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	63	29	90	41
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	111	50	180	82
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	136	62	180	82
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	212	96	304	138
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	280	127	470	213
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	460	209	709	322
14	350	34-1/2	876	36	914	25	635	25	635	2	50	980	445	1300	590

Larger sizes available upon request.

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA (150 LB.)

Size	(in ²)	Size	(in ²)	Size	(in ²)	Size	(in ²)
1/2"	6.46	1-1/2"	18.68	5"	209.41	12"	600.71
3/4"	12.32	2"	30.28	6"	241.18		
1"	12.32	3"	57.62	8"	342.86		
1-1/4"	18.68	4"	91.89	10"	532.80		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

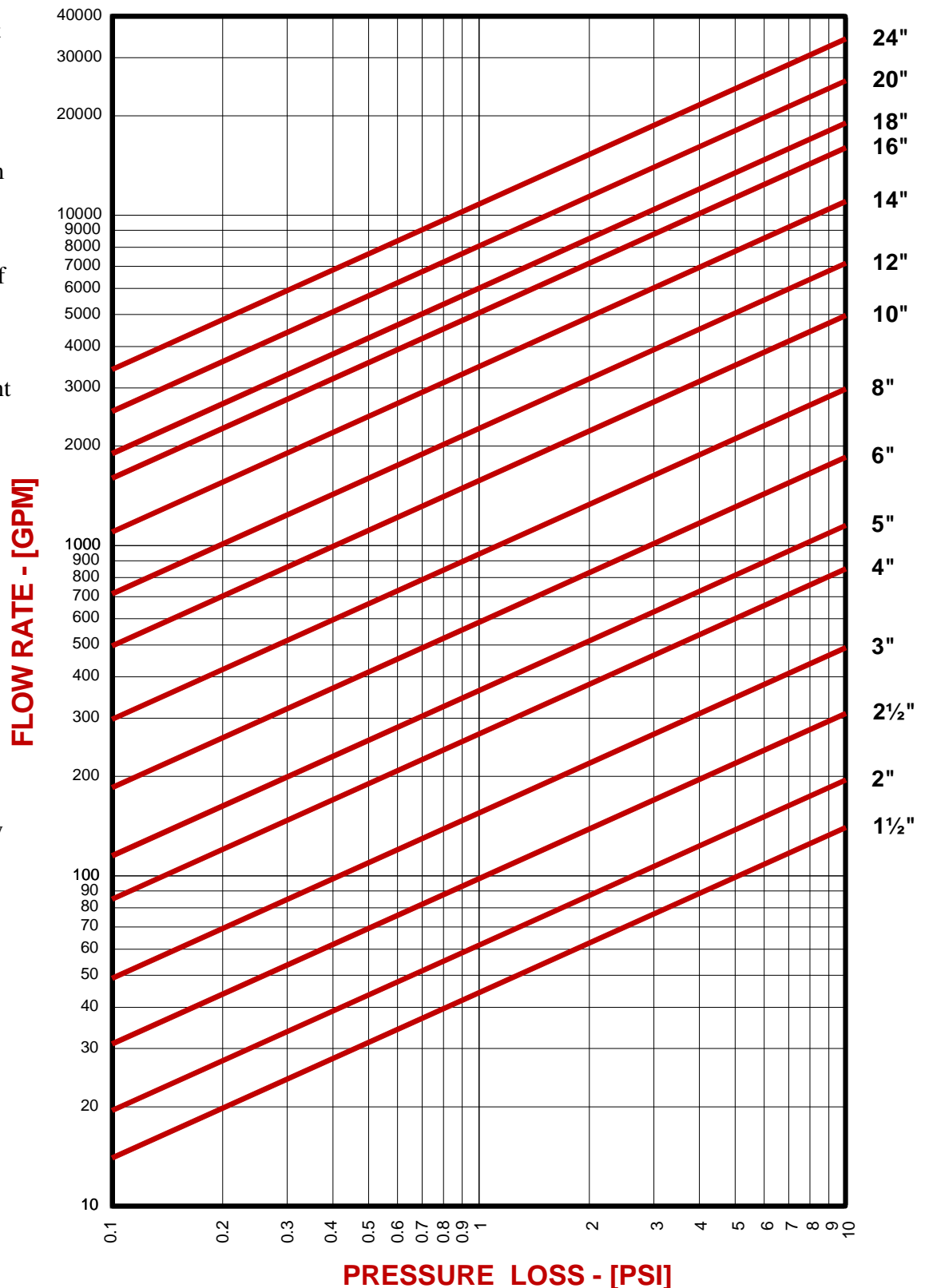
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

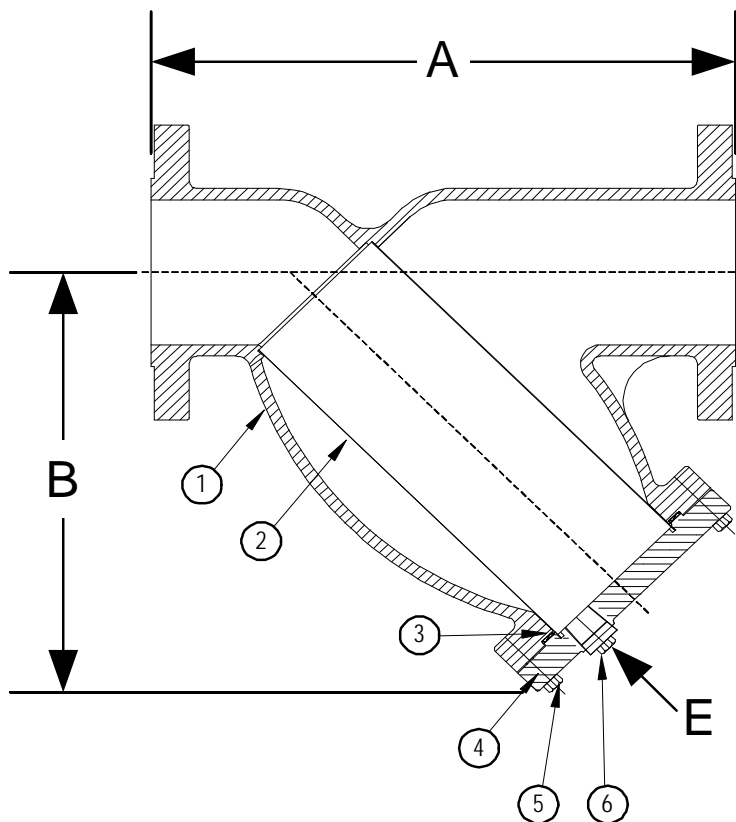
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77025T7



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22RFY-T7045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42RFY-T7045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12RFY-T7045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42RFY-T7045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22RFY-T7045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22RFY-T7045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22RFY-T7045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32RFY-T7045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42RFY-T7045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52RFY-T7045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62RFY-T7045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82RFY-T7045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102RFY-T7045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122RFY-T7062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-1/4	460
142RFY-T7062P34-GB	14	34-1/2	25	2	12	3/4-10 x 3-1/4	980

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77025T7

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 150# Flg Style SSA-7T7

SCALE: NTS

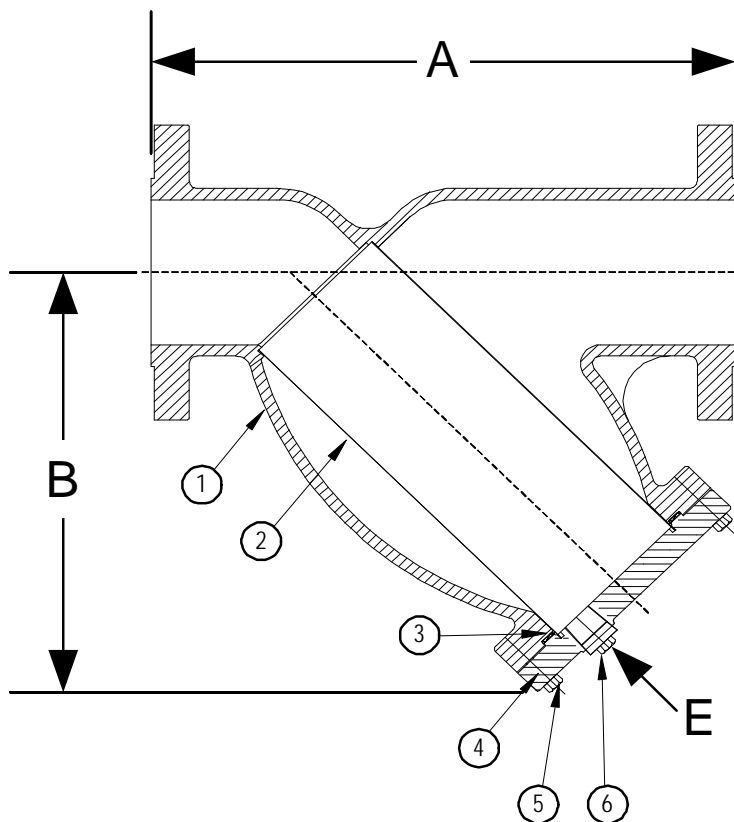
DATE: 07/01/2011

MAT'L: Cast Titanium

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77027T7



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24RFY-T7045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44RFY-T7045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14RFY-T7045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44RFY-T7045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24RFY-T7045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24RFY-T7045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24RFY-T7045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34RFY-T7045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44RFY-T7045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54RFY-T7045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64RFY-T7045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84RFY-T7045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104RFY-T7045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124RFY-T7062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709
144RFY-T7062P34-GB	14	36	25	2	16	3/4-10 x 3-1/8	1300

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 77027T7

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 14" 300# Flg Style SSA-7T7

SCALE: NTS

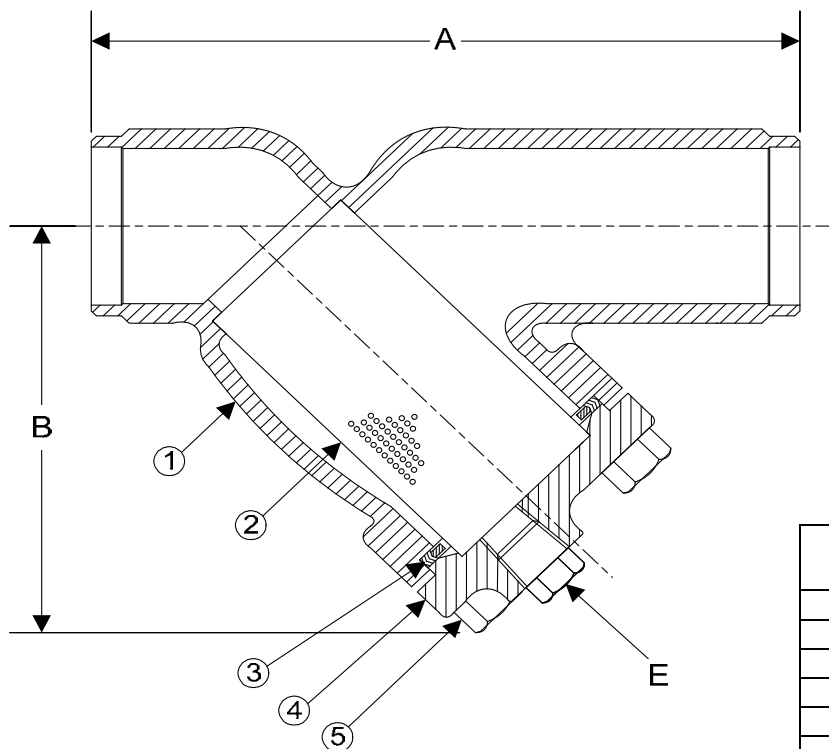
DATE: 07/01/2011

MAT'L: Cast Titanium

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90300T7



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
150# BUTT WELD	STEAM	150 PSI @ 565°F
	W.O.G.	275 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/22B4Y-T7045P34-GB	1/2	6-1/2	3-3/4	3/8	4	3/8-16 x 1-1/2	7
3/42B4Y-T7045P34-GB	3/4	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
12B4Y-T7045P34-GB	1	7-3/8	4-1/4	1/2	4	3/8-16 x 1-1/2	11
11/42B4Y-T7045P34-GB	1-1/4	7	5-1/8	1/2	4	3/8-16 x 1-1/2	12
11/22B4Y-T7045P34-GB	1-1/2	7-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	14
22B4Y-T7045P34-GB	2	7-7/8	6	1/2	4	1/2-13 x 1-3/4	22
21/22B4Y-T7045P34-GB	2-1/2	9-3/4	7	1	4	1/2-13 x 1-3/4	32
32B4Y-T7045P34-GB	3	10-1/16	7-7/16	1	4	1/2-13 x 1-3/4	41
42B4Y-T7045P34-GB	4	12-1/8	8-15/16	1-1/2	4	1/2-13 x 1-3/4	63
52B4Y-T7045P34-GB	5	15-1/2	13-1/32	2	8	5/8-11 x 2-1/4	111
62B4Y-T7045P34-GB	6	18-1/2	13-1/4	2	8	5/8-11 x 2-1/4	136
82B4Y-T7045P34-GB	8	21-3/8	15-1/2	2	12	5/8-11 x 2-1/4	212
102B4Y-T7045P34-GB	10	26	18-7/16	2	12	5/8-11 x 2-1/4	280
122B4Y-T7062P34-GB	12	29-7/8	21-5/8	2	16	5/8-11 x 2-3/4	460

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

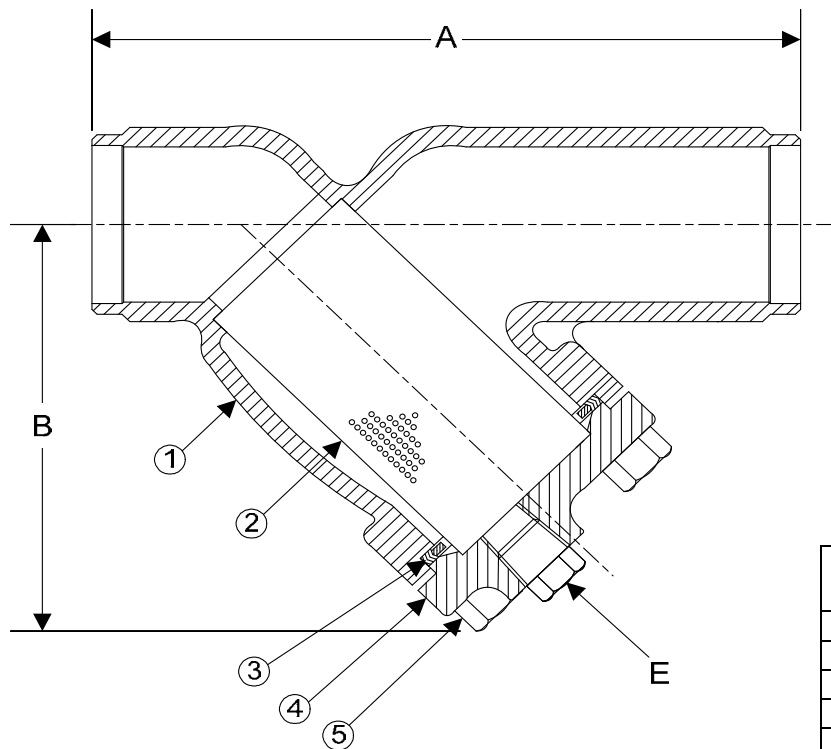
KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90300T7

DIMENSIONAL ASSEMBLY		PART NO.
1/2" to 12" 150# Schd 40 Butt Weld		SCALE: NTS
Style SSA-7T7		DATE: 07/01/2011
MAT'L: Cast Titanium	REQ. ---	DR. BY DSF

DRAWING NO.
AL 90340T7



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
300# BUTT WELD	STEAM	300 PSI @ 1125°F
	W.O.G.	720 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-Off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/24B4Y-T7045P34-GB	1/2	6-1/8	3-3/4	3/8	4	3/8-16 x 1-1/2	6
3/44B4Y-T7045P34-GB	3/4	7-3/4	4-1/4	1/2	4	3/8-16 x 1-1/2	13
14B4Y-T7045P34-GB	1	7-7/8	4-1/4	1/2	4	3/8-16 x 1-1/2	13
11/44B4Y-T7045P34-GB	1-1/4	8-1/8	5-1/8	1/2	4	3/8-16 x 1-1/2	19
11/24B4Y-T7045P34-GB	1-1/2	8-1/4	5-1/8	1/2	4	3/8-16 x 1-1/2	19
24B4Y-T7045P34-GB	2	9-1/2	6	1/2	4	1/2-13 x 1-3/4	33
21/24B4Y-T7045P34-GB	2-1/2	10-3/8	7	1	4	1/2-13 x 1-3/4	44
34B4Y-T7045P34-GB	3	12	7-5/16	1	4	1/2-13 x 1-3/4	58
44B4Y-T7045P34-GB	4	14-1/2	8-15/16	1-1/2	6	1/2-13 x 1-3/4	90
54B4Y-T7045P34-GB	5	19-5/16	13-1/32	2	12	5/8-11 x 2-1/4	180
64B4Y-T7045P34-GB	6	19-5/16	13-1/4	2	12	5/8-11 x 2-1/4	180
84B4Y-T7045P34-GB	8	23-3/8	15-1/2	2	12	5/8-11 x 2-3/4	304
104B4Y-T7045P34-GB	10	27-3/8	18-7/16	2	16	5/8-11 x 3	470
124B4Y-T7062P34-GB	12	32	21-5/8	2	20	5/8-11 x 3-1/4	709

†See "Style SSA-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90340T7

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 300# Schd 40 Butt Weld

SCALE: NTS

Style SSA-7T7

DATE: 07/01/2011

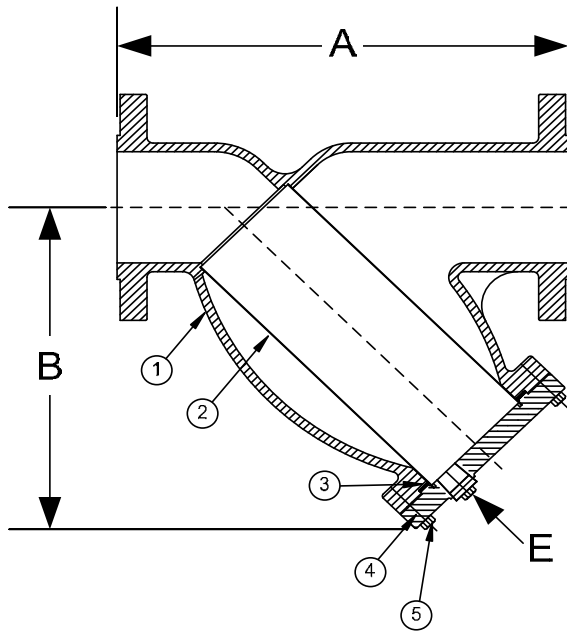
MAT'L: Cast Titanium

REQ. ---

DR. BY DSF

Style SSA-T7

Y-Strainer, 600 lb. Flanged
Cast Titanium (ASTM B 367, Grade PD7B)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	COVER	TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREW	STAINLESS STEEL (ASTM A 193, GRADE B8)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Monel and Stellite.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 4	15 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 10	50 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12	300	22	1/16	1.6	30%	1/8	3.2	43%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other perforations, meshes, and screen material are available.

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	6	3
3/4	20	8-3/8	213	3-3/4	95	1/2	15	12	5
1	25	8-3/8	213	3-3/4	95	1/2	15	12	5
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	19	9
1-1/2	40	10-1/4	260	5-1/2	140	1/2	15	24	11
2	50	11	279	7	178	1/2	15	32	15
2-1/2	65	12	305	8-1/4	210	1	25	50	23
3	80	13-1/2	343	9-1/4	235	1	25	70	32
4	100	18	457	12-1/2	318	1-1/2	40	134	61
5	125	22-1/4	565	15	381	2	50	254	115
6	150	25-5/8	651	20	508	2	50	364	165
8	200	31-3/4	806	24	610	2	50	655	297
10	250	37-3/4	959	28-1/2	724	2	50	1090	494
12	300	45-1/2	1156	34-1/2	876	2	50	1558	707

Larger sizes are available upon request.

†This table reflects only the nearest metric equivalents.

Certified Dimensional Drawings are
Available Upon Request.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles SA, SA-7, SSA and SSA-7)

This pressure drop chart is based on the flow of clean water through the Keckley "Y" strainers listed above with screen perforations ranging from 3/64" through 1/8".

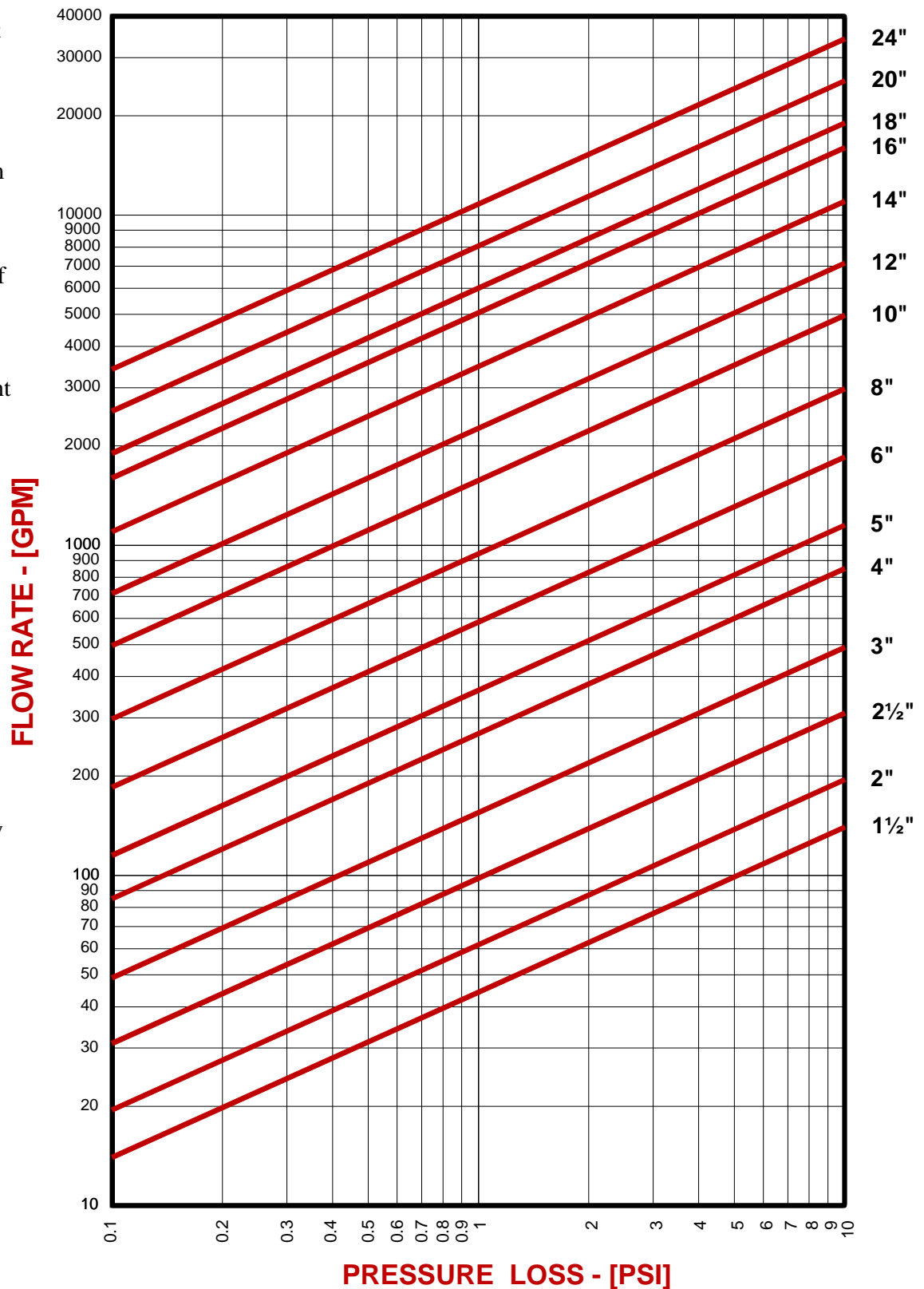
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

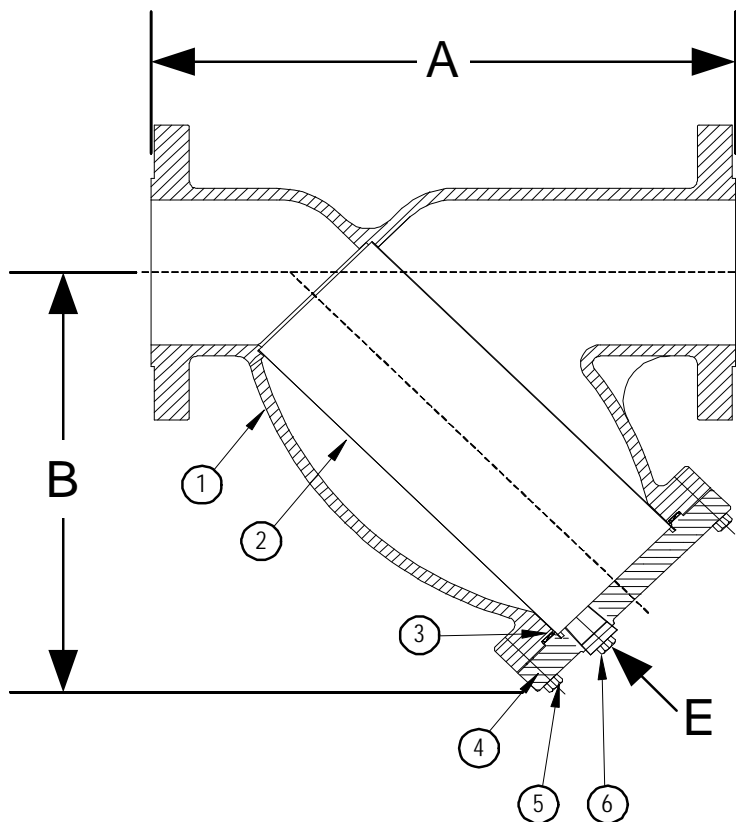
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90380T7



BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK		
NOM. RATING	MEDIA	1/2" to 14"
600# R.F. & D. (EX. HEAVY FLANGE)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
5	HEX HEAD CAP SCREWS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	BLOW-OFF PLUG	STAINLESS STEEL (304)

Product Number†	SIZE	DIMENSIONS (in)			COVER		WEIGHT (lbs)
		A	B	E	No. of Bolts	Size of Bolts	
1/25RFY-T7045P34-GB	1/2	6-5/8	3-1/2	3/8	4	3/8-16 x 1-1/2	6
3/45RFY-T7045P34-GB	3/4	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
15RFY-T7045P34-GB	1	8-3/8	3-3/4	1/2	4	3/8-16 x 1-1/2	13
11/45RFY-T7045P34-GB	1-1/4	10-1/8	5-1/2	1/2	4	3/8-16 x 1-1/2	19
11/25RFY-T7045P34-GB	1-1/2	10-1/4	5-1/2	1/2	4	3/8-16 x 1-1/2	27
25RFY-T7045P34-GB	2	11	7	1/2	4	1/2-13 x 1-3/4	40
21/25RFY-T7045P34-GB	2-1/2	12	8-1/4	1	4	1/2-13 x 1-3/4	60
35RFY-T7045P34-GB	3	13-1/2	9-1/4	1	6	1/2-13 x 1-3/4	78
45RFY-T7045P34-GB	4	18	12-1/2	1-1/2	6	1/2-13 x 2	160
65RFY-T7045P34-GB	6	25-5/8	20	2	12	5/8-11 x2-1/4	364
85RFY-T7045P34-GB	8	31-3/4	24	2	12	5/8-11 x2-3/4	670
105RFY-T7045P34-GB	10	37-3/4	28-1/2	2	16	5/8-11 x 3	1090
125RFY-T7062P34-GB	12	45-1/2	34-1/2	2	20	5/8-11 x 3-1/4	1558

†See "Style SSA Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 4	28	3/64	33%	1/16	30%
5 to 10	24	3/64	33%	1/8	43%
12 to 14	24	1/16	30%	1/8	43%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

KECKLEY

3400 CLEVELAND SKOKIE ILLINOIS

DRAWING NO.
AL 90380T7

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 12" 600# Flg Style SSA-T7

SCALE: NTS

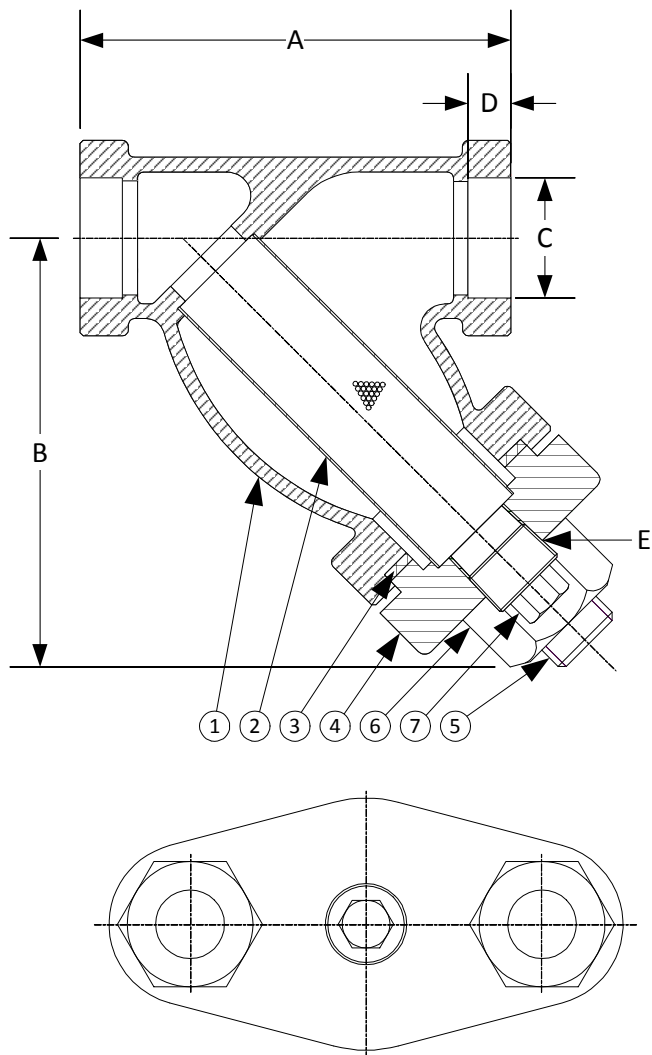
DATE: 07/01/2011

MAT'L: Cast Titanium

REQ. ---

DR. BY DSF

DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (SOCKET WELD)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	TITANIUM (ASTM B 367, GRADE PD7B)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number [†]	SIZE	DIMENSIONS					COVER		WEIGHT
		A	B	C	D	E	No. of Bolts	Size of Bolts	
1/45SWY-T7045P34-GB	1/4	3	2-1/2	.555	3/8	1/4	2	3/8-16 x 1-1/2	3
3/85SWY-T7045P34-GB	3/8	3	2-1/2	.690	3/8	1/4	2	3/8-16 x 1-1/2	3
1/25SWY-T7045P34-GB	1/2	3-7/8	3-1/4	.855	3/8	1/4	2	3/8-16 x 1-1/2	4
3/45SWY-T7045P34-GB	3/4	4-1/4	4-1/4	1.065	1/2	3/8	2	1/2-13 x 2-1/4	5
15SWY-T7045P34-GB	1	4-15/16	4-5/8	1.330	1/2	1/2	2	5/8-11 x 2-5/8	7
11/45SWY-T7045P34-GB	1-1/4	5-5/8	5-1/2	1.675	1/2	3/4	2	5/8-11 x 2-3/4	11
11/25SWY-T7045P34-GB	1-1/2	6-1/4	6-1/4	1.915	1/2	3/4	2	7/8-9 x 3-1/8	16
25SWY-T7045P34-GB	2	7-1/2	7-1/4	2.406	5/8	1	2	1-8 x 3-1/2	22
21/25SWY-T7045P34-GB	2-1/2	12	9-3/8	2.906	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35SWY-T7045P34-GB	3	12	9-3/8	3.535	5/8	1-1/4	2	1-1/8-7 x 4-1/8	43

[†]See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7BCT7

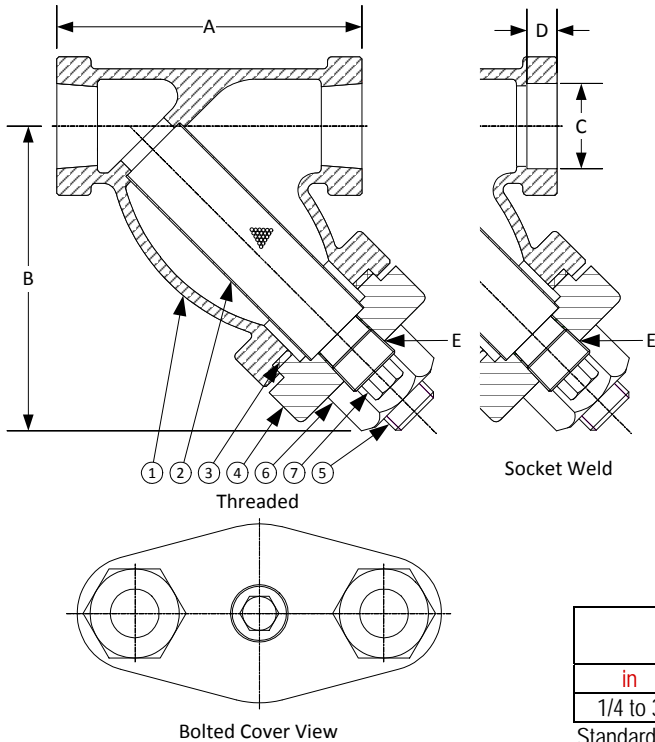
SCALE: NTS

DATE: 07/01/2011

MAT'L: Titanium

REQ. ---

DR. BY DSF



Style SSB-7BCT7

**Y-Strainer, 600 lb. Threaded & Socket Weld
Bolted Cover**

Cast Titanium (ASTM B 367, Grade PD7B)

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) - WITH GRAPHITE FILLER
4	CAP	CAST TITANIUM (ASTM B 367, GRADE PD7B)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

*Optional Body Materials Available in Alloy 20, Hastelloy C276, Monel, and Duplex.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	21	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	3	76	2-1/2	63	.555	14	3/8	10	1/4	8	3	1.3
3/8	10	3	76	2-1/2	63	.690	18	3/8	10	1/4	8	3	1.3
1/2	15	3-7/8	99	3-1/4	83	.855	22	3/8	10	1/4	8	4	1.8
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	5	2.3
1	25	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	7	3
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	11	5
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	16	7.25
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	22	10
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	19.5
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	19.5

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4" - 3/8"	9.5	1"	30	2"	98
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4" - 3/8"	4.36	1"	13.84	2"	35.48
1/2"	4.36	1-1/4"	20.83	2-1/2"	69.82
3/4"	9.372	1-1/2"	24.02	3"	69.82

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

[Click Here](#)
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

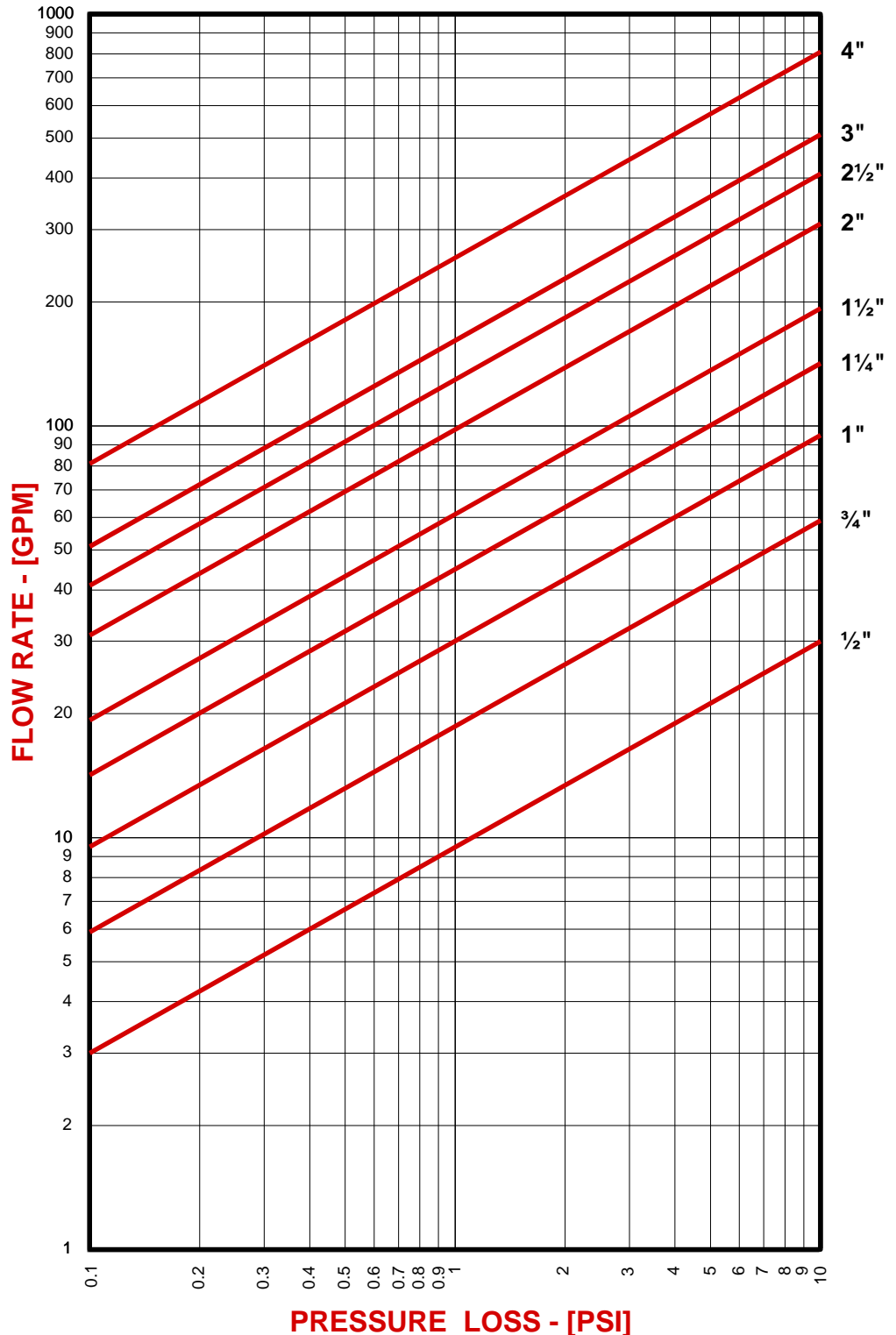
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

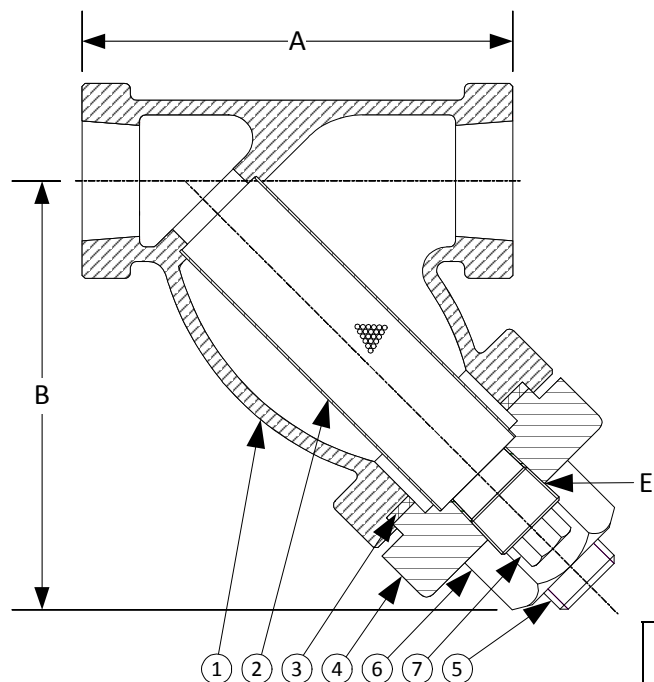
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL XXXXX



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	TITANIUM (ASTM B 367 , GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	TITANIUM (ASTM B 367 , GRADE PD7B)
5	STUD	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUT	STAINLESS STEEL (ASTM A 194, GRADE 8)
7	PLUG	STAINLESS STEEL (ASTM A 182, GRADE F-304)

Product Number†	SIZE	DIMENSIONS			COVER		WEIGHT
		A	B	E	No. of Bolts	Size of Bolts	
1/45THY-T7045P34-GB	1/4	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
3/85THY-T7045P34-GB	3/8	3	2-1/2	1/4	2	3/8-16 x 1-1/2	3
1/25THY-T7045P34-GB	1/2	3-7/8	3-1/4	1/4	2	3/8-16 x 1-1/2	4
3/45THY-T7045P34-GB	3/4	4-1/4	4-1/4	3/8	2	1/2-13 x 2-1/4	5
15THY-T7045P34-GB	1	4-15/16	4-5/8	1/2	2	5/8-11 x 2-5/8	7
11/45THY-T7045P34-GB	1-1/4	5-5/8	5-1/2	3/4	2	5/8-11 x 2-3/4	11
11/25THY-T7045P34-GB	1-1/2	6-1/4	6-1/4	3/4	2	7/8-9 x 3-1/8	16
25THY-T7045P34-GB	2	7-1/2	7-1/4	1	2	1-8 x 3-1/2	22
21/25THY-T7045P34-GB	2-1/2	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43
35THY-T7045P34-GB	3	12	9-3/8	1-1/4	2	1-1/8-7 x 4-1/8	43

†See "Style SB-7BC Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL XXXXX

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7BCT7

SCALE: NTS

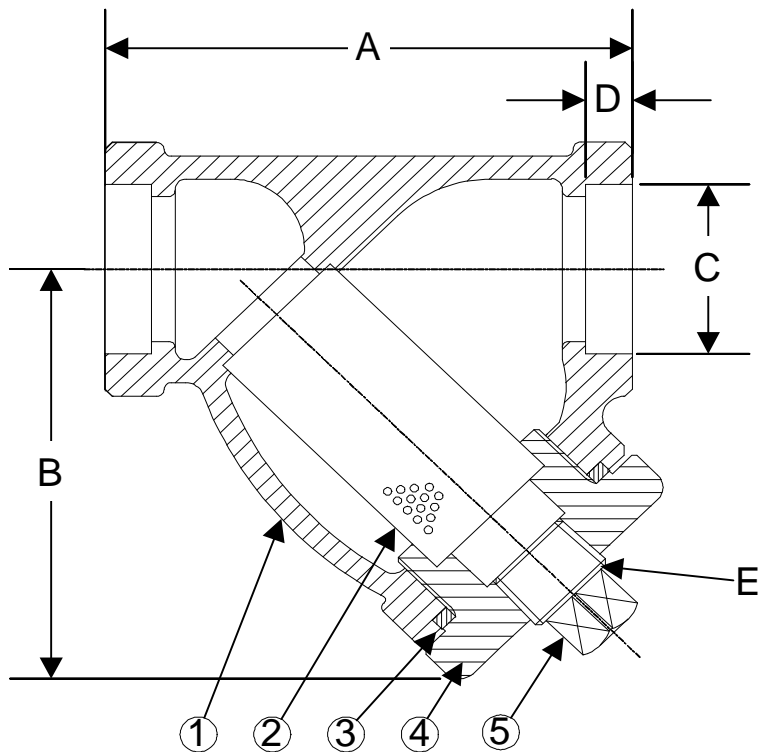
DATE: 07/01/2011

MAT'L: Titanium

REQ. ---

DR. BY DSF

DRAWING NO.
AL 77017T7



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (Socket Weld)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST TITANIUM (ASTM B 367, GRADE PD7B)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS					WEIGHT
		A	B	C	D	E	
1/45SWY-T7045P34-GT	1/4	2-15/16	2-7/16	0.555	3/8	1/4	3
3/85SWY-T7045P34-GT	3/8	2-15/16	2-7/16	0.690	3/8	1/4	3
1/25SWY-T7045P34-GT	1/2	2-15/16	2-7/16	0.855	3/8	1/4	3
3/45SWY-T7045P34-GT	3/4	3-11/16	3	1.065	1/2	3/8	5
15SWY-T7045P34-GT	1	4-9/16	4-5/16	1.330	1/2	3/8	6
11/45SWY-T7045P34-GT	1-1/4	4-15/16	4-3/16	1.675	1/2	3/4	8
11/25SWY-T7045P34-GT	1-1/2	5-9/16	4-11/16	1.915	1/2	3/4	10
25SWY-T7045P34-GT	2	6-15/16	6-1/4	2.406	5/8	1	16
21/25SWY-T7045P34-GT	2-1/2	12	9-3/8	2.906	5/8	1-1/4	43
35SWY-T7045P34-GT	3	12	9-3/8	3.535	5/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM	OPEN AREA	FOR LIQUID	OPEN AREA
in		in		in	
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77017T7

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Socket Weld Style SSB-7T7

SCALE: NTS

DATE: 07/01/2011

MAT'L: Cast Titanium

REQ. ---

DR. BY DSF

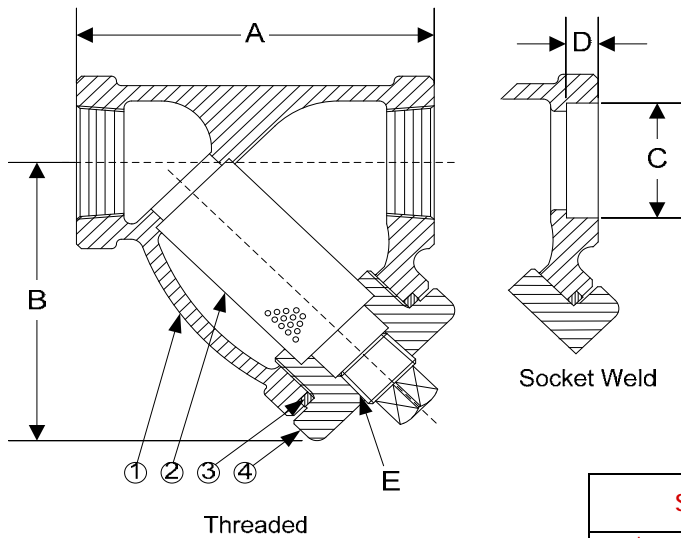
Style SSB-7T7

Y-Strainer, 600 lb. Threaded & Socket Weld
Cast Titanium (ASTM B 367, Grade PD7B)

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304)
4	CAP	CAST TITANIUM (ASTM B 367, GRADE PD7B)

Optional: Blow-off Plug, Stainless Steel (304)

*Optional Body Materials Available in 304 and 400 Series SS, Inconel, Hastelloy C276, Alloy 20, and Stellite.



STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/4 to 3	8 to 80	22	3/64	1.2	33%	1/16	1.6	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS										WEIGHTS	
		A		B		C		D		E			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/4	8	2-15/16	75	2-7/16	62	.555	14	3/8	10	1/4	8	3	1
3/8	10	2-15/16	75	2-7/16	62	.690	18	3/8	10	1/4	8	3	1
1/2	15	2-15/16	75	2-7/16	62	.855	22	3/8	10	1/4	8	3	1
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	5	2
1	25	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	3
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	8	4
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	10	5
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	16	7
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	43	20
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	43	20

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
1/4"	2.75	1"	10.08	2-1/2"	78.14
3/8"	2.75	1-1/4"	12.79	3"	78.14
1/2"	2.75	1-1/2"	16.33		
3/4"	4.71	2"	27.04		

*See DETERMINING RATIOS on page S5 of the Strainer Information Section for calculating NET FREE AREA of the screen to inside pipe area.

Click Here
For Your Free Quote

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

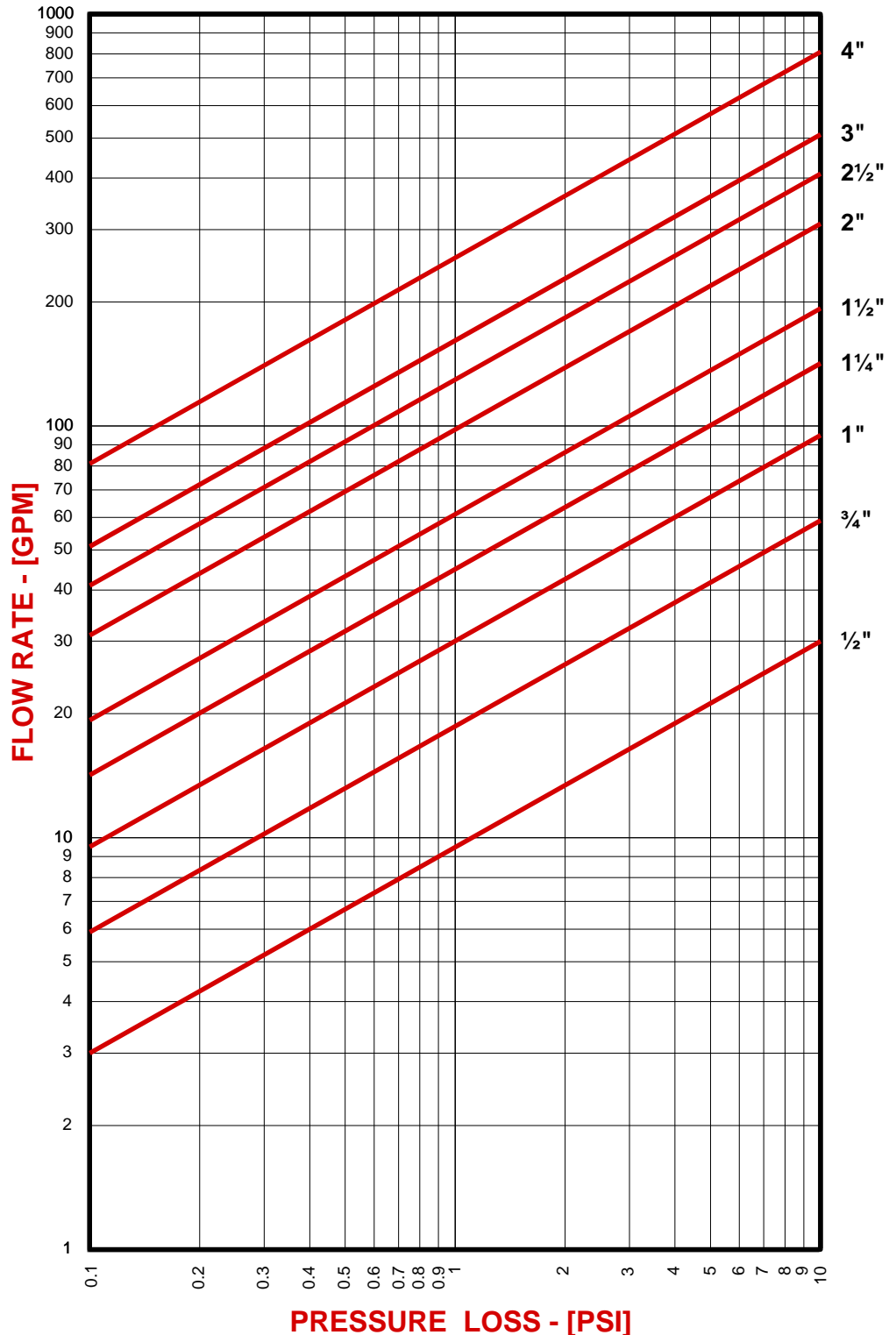
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

CORRECTION FACTORS:

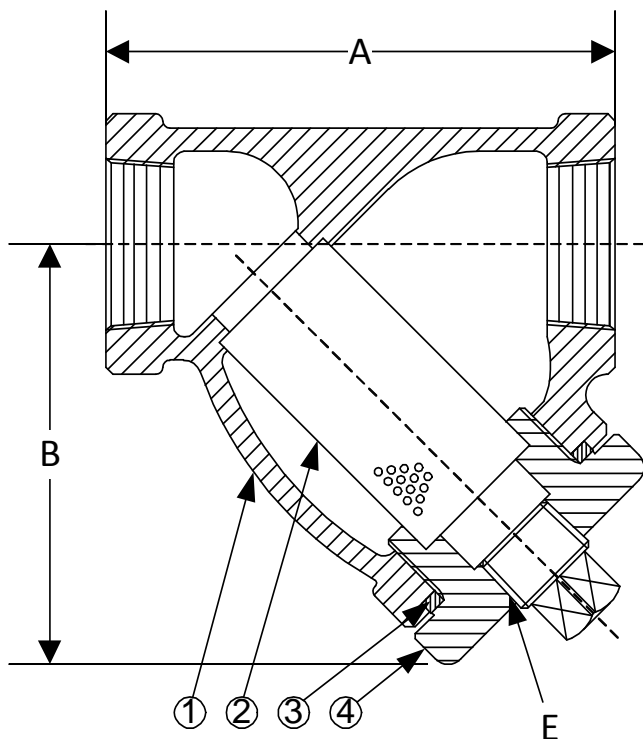
For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 77015T7

BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/4" to 3"
600# (THREADED)	STEAM	600 PSI @ 1125°F
	W.O.G.	1440 PSI @ 100°F



PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	SCREEN	STAINLESS STEEL (304)
3	GASKET	SPIRAL WOUND STAINLESS STEEL (304) – WITH GRAPHITE FILLER
4	CAP	CAST TITANIUM (ASTM B 367, GRADE PD7B)

Optional: Blow-off Plug, Stainless Steel (304)

Product Number†	SIZE	DIMENSIONS			WEIGHT
		A	B	E	
1/45THY-T7045P34-GT	1/4	2-15/16	2-7/16	1/4	3
3/85THY-T7045P34-GT	3/8	2-15/16	2-7/16	1/4	3
1/25THY-T7045P34-GT	1/2	2-15/16	2-7/16	1/4	3
3/45THY-T7045P34-GT	3/4	3-11/16	3	3/8	5
15THY-T7045P34-GT	1	4-9/16	4-5/16	3/8	6
11/45THY-T7045P34-GT	1-1/4	4-15/16	4-3/16	3/4	8
11/25THY-T7045P34-GT	1-1/2	5-9/16	4-11/16	3/4	10
25THY-T7045P34-GT	2	6-15/16	6-1/4	1	16
21/25THY-T7045P34-GT	2-1/2	12	9-3/8	1-1/4	43
35THY-T7045P34-GT	3	12	9-3/8	1-1/4	43

†See "Style SSB-7 Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/4 to 3	26	3/64	33%	1/16	30%

Standard screens supplied are for steam service, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 77015T7

DIMENSIONAL ASSEMBLY

PART NO.

1/4" to 3" 600# Threaded Style SSB-7T7

SCALE: NTS

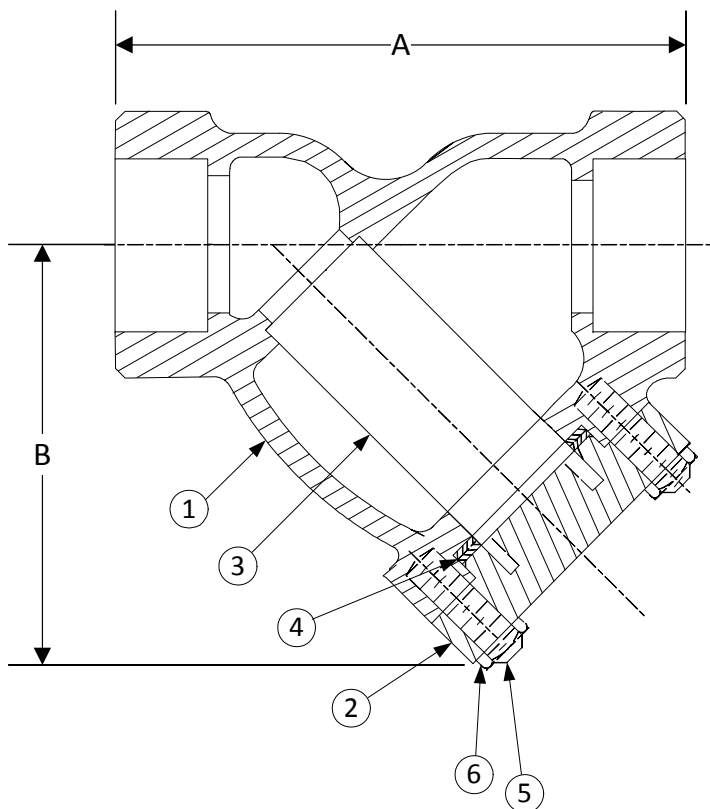
DATE: 07/01/2011

MAT'L: Cast Titanium

REQ. ---

DR. BY DSF

DRAWING NO.
AL 90470T7



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK

NOM. RATING	MEDIA	1/2" to 3"
1500# (Socket Weld)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27SWY-T7033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47SWY-T7033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17SWY-T7033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47SWY-T7033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27SWY-T7033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27SWY-T7033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27SWY-T7033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37SWY-T7033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.

Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90470T7

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Socket Weld Style SSB-T7

SCALE: NTS

DATE: 11/30/2016

MAT'L: Cast Titanium

REQ. ---

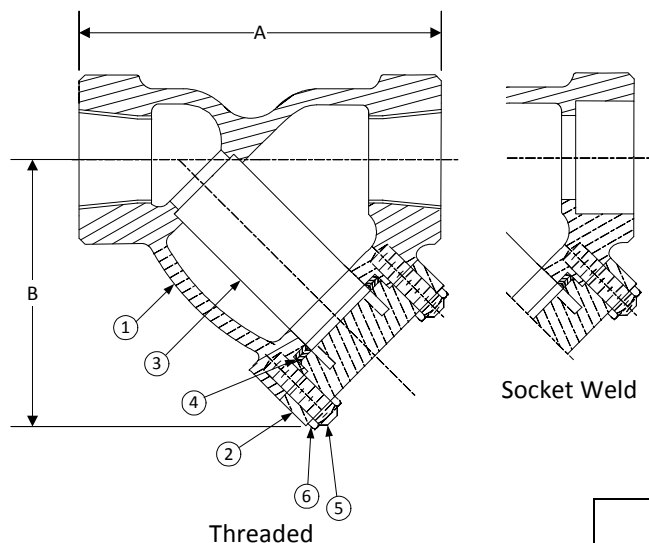
DR. BY DSF

Style SSB-T7

**Y-Type, 1500 lb. Threaded & Socket Weld
Cast Titanium (ASTM B 367, Grade PD7B)**

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1*	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
3	SCREEN (NOT SHOWN)	STAINLESS STEEL (304)
4	GASKET (NOT SHOWN)	SPIRAL WOUND STAINLESS STEEL (304)
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

*Optional Body Materials Available in 304 and 400 Series SS, Alloy 20, Inconel, Hastelloy C276, and Stellite.



STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	.8	28%	1/16	1.6	37%

Standard screens supplied are for steam service, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

SIZE		DIMENSIONS				WEIGHTS	
		A		B			
in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76	10	5
3/4	20	4-1/4	108	3-3/4	95	12	5
1	25	5	127	5	127	15	7
1-1/4	32	8-3/8	213	5-1/2	140	22	10
1-1/2	40	8-3/8	213	5-1/2	140	22	10
2	50	9-5/16	237	7-3/8	187	30	14
2-1/2	65	12	305	10-1/2	267	50	23
3	80	12	305	10-1/2	267	50	23

Certified dimensional drawings are available upon request.

†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

Size	C _v	Size	C _v	Size	C _v
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

[Click Here
For Your Free Quote](#)

PRESSURE DROP CHART

Threaded “Y” Pattern Strainers (Styles SB, SB-7, SSB and SSB-7)

This pressure drop chart is based on the flow of clean water through the Keckley “Y” strainers listed above with screen perforations ranging from 3/64” through 1/8” and is additionally for use with those units equipped with a 20 mesh screen as standard.

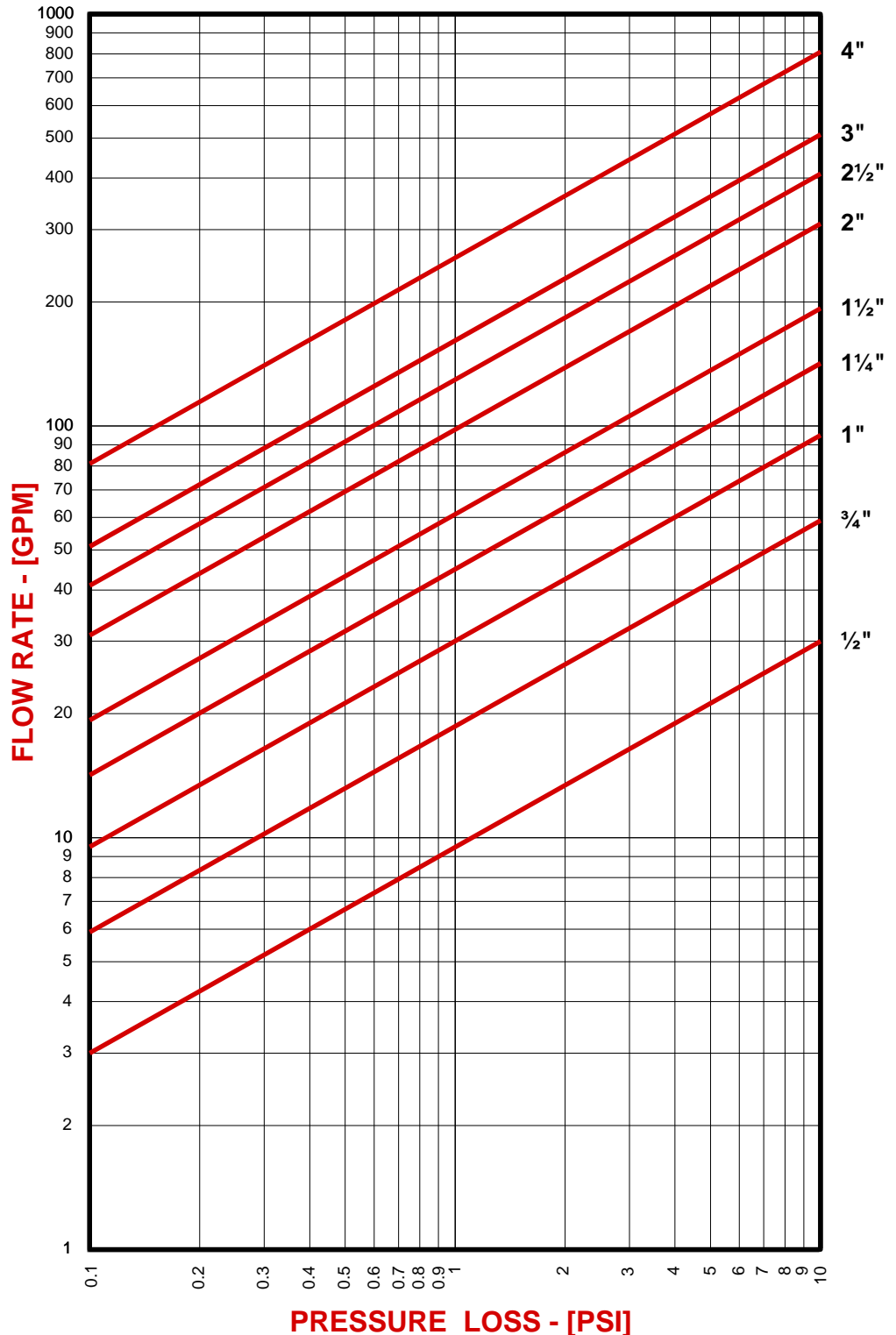
TO USE CHARTS:

Find your desired rate of flow (GPM) on the left hand side of the chart. Follow its corresponding horizontal line to the point where it intersects the diagonal line indicating the strainer pipe size. From this point of intersection, follow the vertical line down to the bottom of the chart to determine the approximate pressure drop.

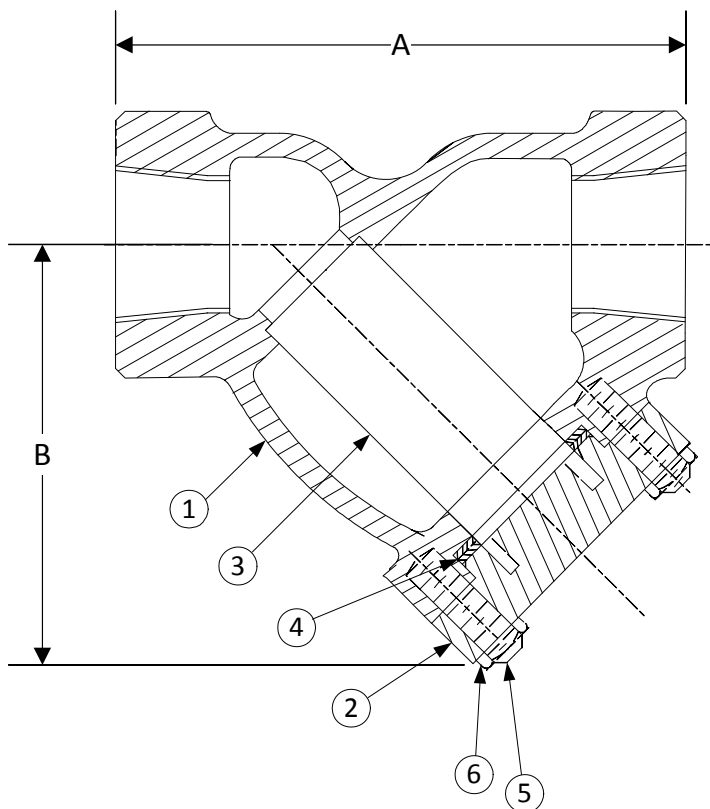
CORRECTION FACTORS:

For finer mesh screens that are backed with a perforated sheet, multiply the pressure drops shown at right by the following:

40 mesh	x 1.2
60 mesh	x 1.4
80 mesh	x 1.6
100 mesh	x 1.7



DRAWING NO.
AL 90450T7



BODY PRESSURE & TEMPERATURE RATINGS – NON SHOCK		
NOM. RATING	MEDIA	1/2" to 3"
1500# (THREADED)	STEAM	1500 PSI @ 1125°F
	W.O.G.	3600 PSI @ 100°F

PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST TITANIUM (ASTM B 367, GRADE PD7B)
2	COVER	CAST TITANIUM (ASTM B 367, GRADE PD7B)
3	SCREEN	STAINLESS STEEL (304)
4	GASKET	SPIRAL WOUND STAINLESS STEEL (304) WITH GRAPHITE FILLER
5	STUDS	STAINLESS STEEL (ASTM A 193, GRADE B8)
6	NUTS	STAINLESS STEEL (ASTM A 194, GRADE 8)

Product Number†	SIZE	DIMENSIONS (in)		COVER		WEIGHT (lbs)
		A	B	No. of Bolts	Size of Bolts	
1/27THY-T7033P34-GB	1/2	3-15/16	3	4	1/2-13 x 1-7/8	10
3/47THY-T7033P34-GB	3/4	4-1/4	3-3/4	4	5/8-11 x 2	12
17THY-T7033P34-GB	1	6	5-3/4	4	3/4-10 x 2-1/2	15
11/47THY-T7033P34-GB	1-1/4	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
11/27THY-T7033P34-GB	1-1/2	8-1/4	5-1/2	4	5/8-11 x 2-3/4	22
27THY-T7033P34-GB	2	9-5/16	9-1/4	4	5/8-11 x 3-1/4	30
21/27THY-T7033P34-GB	2-1/2	12	10-1/2	4	7/8-9 x 4	50
37THY-T7033P34-GB	3	12	10-1/2	4	7/8-9 x 4	50

†See "Style SSB Product Number Configuration" for additional options.

STANDARD SCREENS SUPPLIED

SIZE in	SCREEN GAGE	SCREEN PERFORATION			
		FOR STEAM in	OPEN AREA	FOR LIQUID in	OPEN AREA
1/2 to 3	26	1/32	28%	1/16	30%

Standard screens supplied are for **steam service**, unless otherwise specified.
Options: Other meshes, perforations, and screen materials are available.

KECKLEY

3400 CLEVELAND

SKOKIE ILLINOIS

DRAWING NO.
AL 90450T7

DIMENSIONAL ASSEMBLY

PART NO.

1/2" to 3" 1500# Threaded Style SSB-T7

SCALE: NTS

DATE: 11/30/2016

MAT'L: Cast Titanium

REQ. ---

DR. BY DSF