KECKLEY

"Y" Strainer

KECKLEY

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 stainers are constructed from rugged cast iron castings that are machined to exacting specifications.

FEATURES

The Keckley Style B features a tapered bushing in sizes ¼" 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 @ 406ºF	1724 KPa @ 208ºC
	W.O.G.	400 PSI @ 150ºF	2759 KPa @ 66ºC

GOVERNMENT/MILITARY SPECIFICATIONS

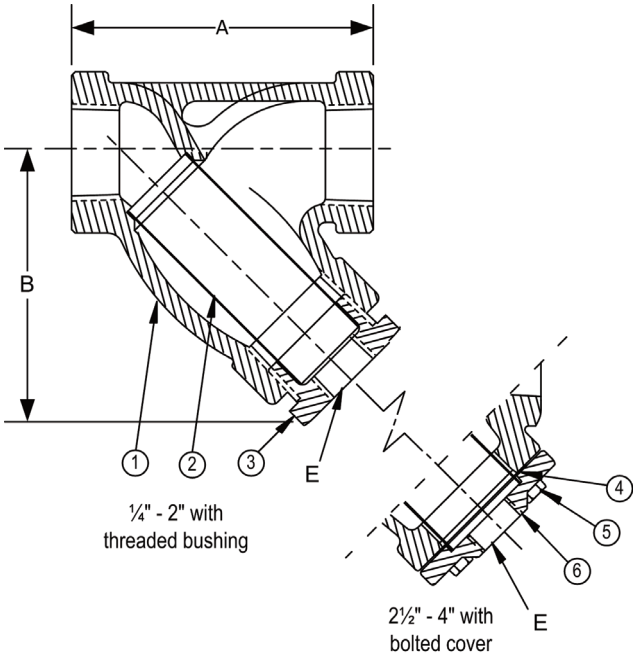
Style B cast iron threaded strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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 ½", 3" & 4" only.

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 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.

FLOW COEFFICIENTS

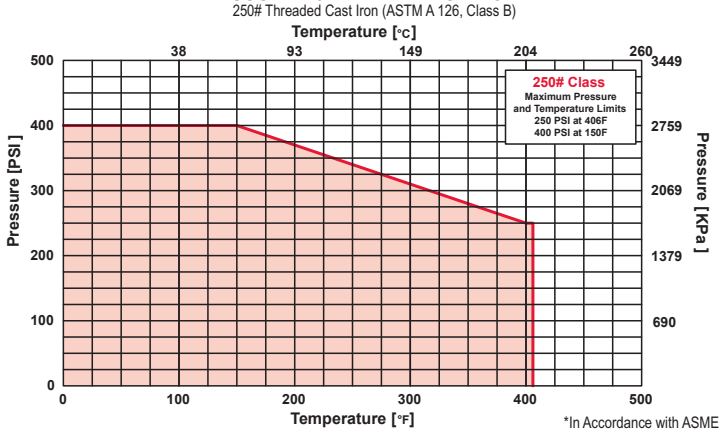
Size	C_V	Size	C_V	Size	C_V
1/2"	9.5	1-1/4"	44.9	2-1/2"	129.7
3/4"	18.7	1-1/2"	61	3"	161.3
1"	30	2"	98	4"	256.2

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

KECKLEY

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 stainers 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 ¼" 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

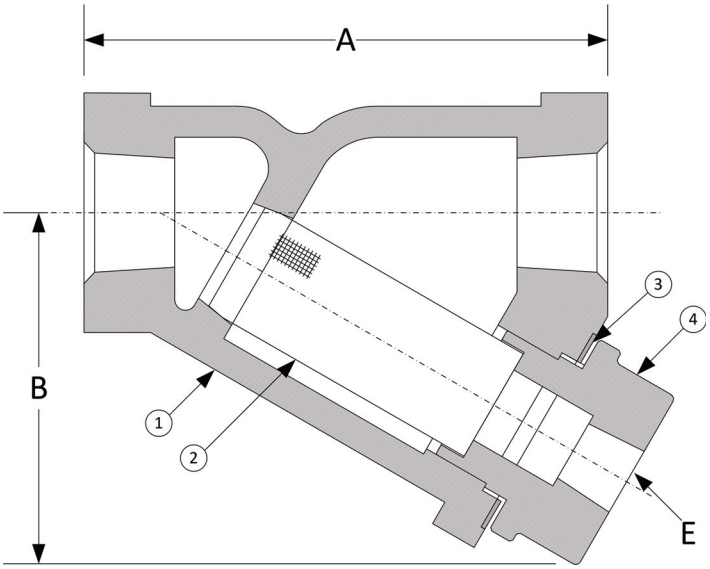
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
250# (Threaded)	STEAM	250 PSI @ 406ºF	1724 KPa @ 208ºC
	W.O.G.	400 PSI @ 150ºF	2759 KPa @ 66ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
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.

FLOW COEFFICIENTS

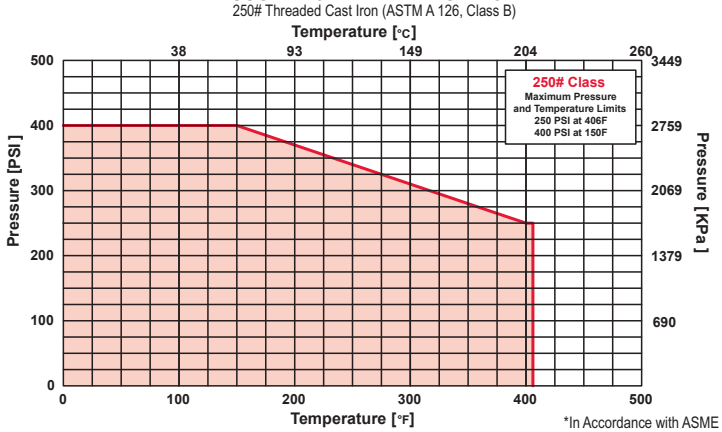
Size	C_V	Size	C_V	Size	C_V
1/4"	0.7	1"	22	2-1/2"	110
3/8"	2	1-1/4"	38	3"	160
1/2"	8	1-1/2"	42		
3/4"	15	2"	71		

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

KECKLEY

Cast Iron Y-Strainer

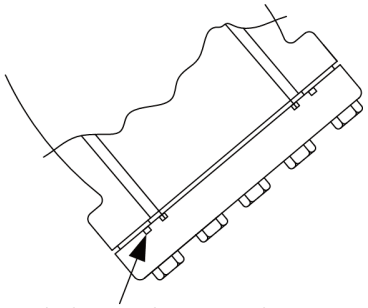
Style A

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

Style GA

(Natural Gas Service)

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



(Special O-Ring Seal
With Solid Cover Plate)

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.

The Keckley Style GA strainers are used extensively for protecting gas meters and compressors in metering stations. The strainer utilizes a Buna N-70-Durometer O-Ring instead of a conventional gasket on the solid cover plate.

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
125# F.F. & D. (STANDARD FLANGE)	STEAM	125 PSI @ 450ºF	862 KPa @ 232ºC
	W.O.G.	200 PSI @ 150ºF	1379 KPa @ 66ºC
	MEDIA	**14" and UP**	**350 mm and UP**
	STEAM	100 PSI @ 353ºF	690 KPa @ 178ºC
	W.O.G.	150 PSI @ 150ºF	1035 KPa @ 66ºC
NOM. RATING	**MEDIA**	**2" to 12"**	**50 mm to 300 mm**
250# R.F. & D. (EX. HEAVY FLANGE)	STEAM	250 PSI @ 450ºF	1724 KPa @ 232ºC
	W.O.G.	500 PSI @ 150ºF	3449 KPa @ 66ºC
	MEDIA	**14" and UP**	**350 mm and UP**
	STEAM	200 PSI @ 406ºF	1379 KPa @ 208ºC
	W.O.G.	300 PSI @ 150ºF	2069 KPa @ 66ºC

GOVERNMENT/MILITARY SPECIFICATIONS

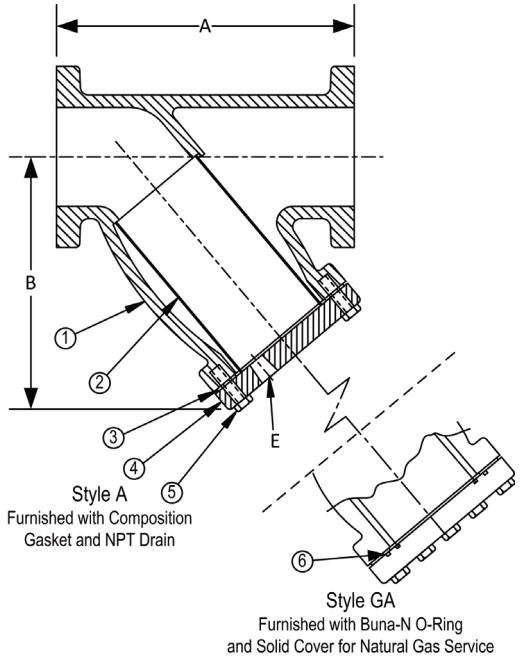
Style A cast iron flanged strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style A & GA

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



Style A
Furnished with Composition Gasket and NPT Drain

Style GA
Furnished with Buna-N O-Ring and Solid Cover for Natural Gas Service

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*	O-Ring	Buna-N

Optional: Blow-off Plug, Malleable Iron.
*Denotes parts for the Style GA strainer only.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		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	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	8-3/8	213	9-7/8	251	8-3/8	213	6-1/4	159	1-1/4	32	1/2	15	30	14	33	15
2-1/2	65	9-7/8	251	11-1/4	286	8-3/8	213	7-3/4	197	1-1/4	32	1	25	35	16	49	22
3	80	10-1/4	260	12-1/2	318	7-3/8	187	8-1/4	210	1	25	1	25	35	16	57	26
4	100	12-1/8	308	14-5/8	371	8-3/4	222	10-1/8	257	1-1/2	40	1-1/4	32	65	29	106	48
5	125	15-5/8	397	18	457	12	305	12-1/2	318	2	50	1-1/4	32	105	48	157	71
6	150	18-9/16	471	20-3/8	518	14	356	14-3/8	365	2	50	1-1/2	40	155	70	215	98
8	200	24-1/8	613	23-7/8	606	17-3/4	451	17-1/2	445	2	50	1-1/2	40	240	109	315	143
10	250	29-9/16	751	29-5/8	752	21-1/4	540	21	533	2	50	2	50	400	181	525	238
12	300	33-3/4	857	33-3/4	857	24	610	23-5/8	600	2	50	2	50	500	227	700	318
14	350	37-1/8	943	37-1/4	946	25-1/2	648	27-1/8	689	2	50	2	50	825	374	1400	635
16	400	42-3/8	1076	42-3/8	1076	29-1/8	740	29-1/4	743	2	50	2	50	1050	476	1850	839
18	450	46-3/16	1173	--	--	41	1041	--	--	2	50	--	--	1723	782	--	--
20	500	54-1/2	1384	--	--	43	1092	--	--	2	50	--	--	2660	1207	--	--
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

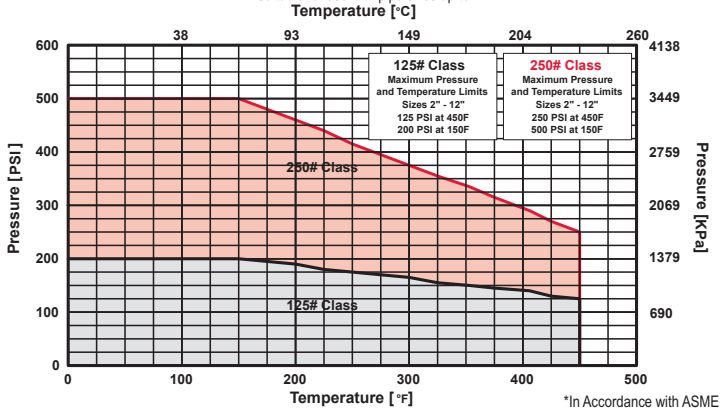
Size	C_V	Size	C_V	Size	C_V	Size	C_V
2"	62	5"	364	12"	2261	20"	8064
2 ½"	98	6"	585	14"	3479	*(Reflects 125 lb. castings only)*	
3"	155	8"	942	16"	5060		
4"	269	10"	1572	18"	6008		

TOTAL SCREEN AREA

Size	(in^2)	Size	(in^2)	Size	(in^2)	Size	(in^2)
2"	51.55	5"	136.09	12"	835.53	20"	2947.1
2 ½"	70.01	6"	242.72	14"	1175.30	*(Reflects 125 lb. castings only)*	
3"	61.34	8"	411.16	16"	1471.34		
4"	99.64	10"	610.51	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"



*In Accordance with ASME B16.1

KECKLEY

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 stainers 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

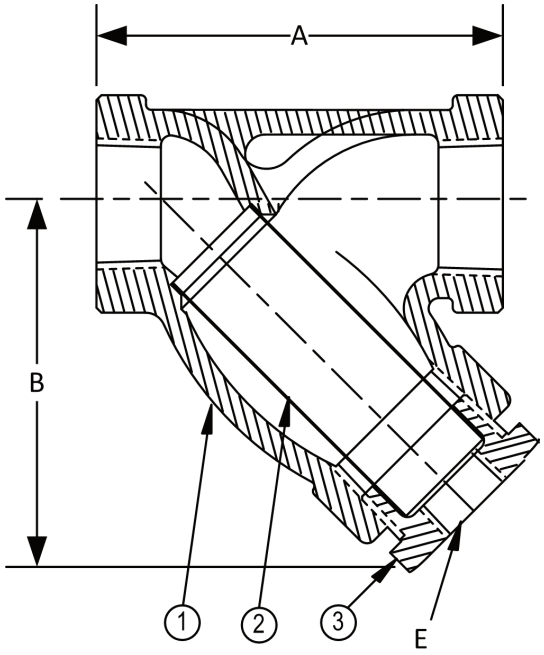
NOM. RATING	MEDIA	1/2" to 2"	15 mm to 50 mm
300# (Threaded)	STEAM	450 PSI @ 650ºF	3104 KPa @ 343ºC
	W.O.G.	640 PSI @ 100ºF	4414 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
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.

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

Certified Dimensional Drawings are Available Upon Request.

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.

KECKLEY

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 stainers 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 F-150& E-150 strainers feature a machined seat in the body and cap for propper 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 @ 400ºF	862 KPa @ 204ºC
	W.O.G.	200 PSI @ 150ºF	1379 KPa @ 66ºC

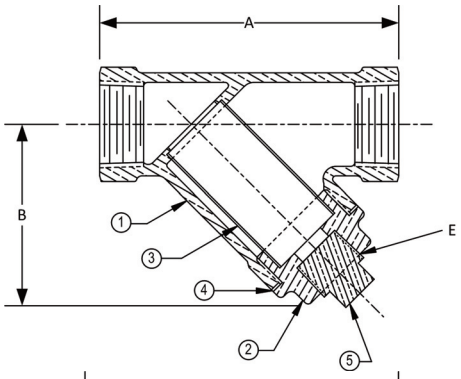
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

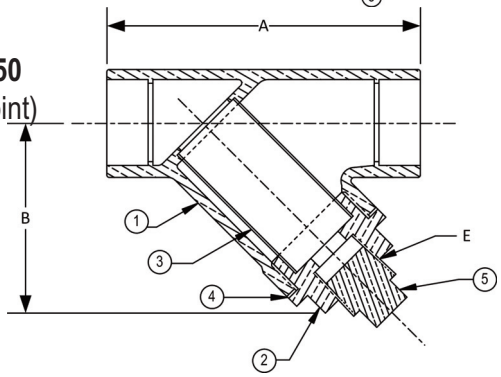
Style F-150 & E-150

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

Style F-150
(Threaded)



Style E-150
(Solder Joint)



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 GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
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							
		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

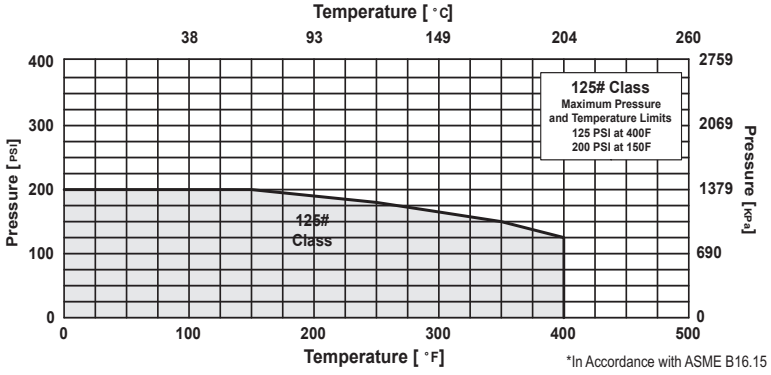
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

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 548, C84400)



*In Accordance with ASME B16.15

KECKLEY

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 stainers are constructed from the finest bonze 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 propper 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 brass 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 @ 400ºF	1621 KPa @ 204ºC
	W.O.G.	400 PSI @ 150ºF 250 PSI @ 400ºF	2759 KPa @ 66ºC 1724 KPa @ 204ºC

GOVERNMENT/MILITARY SPECIFICATIONS

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

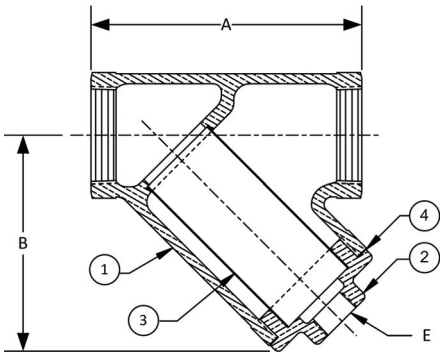
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

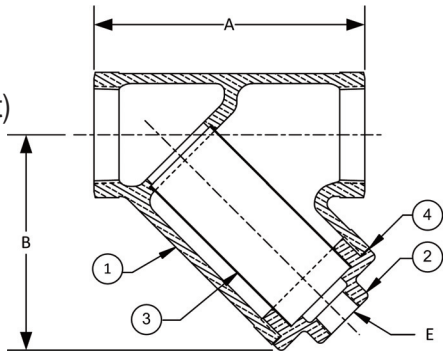
Style F-300 & E-300

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

Style F-300
(Threaded)



Style E-300
(Solder Joint)



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.

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	24	1/32	0.8	29%	3/64	1.2	33%

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

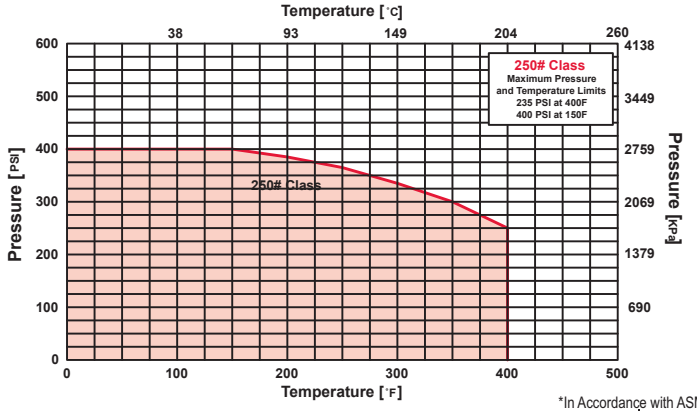
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61	*(The flow coefficients listed are for Style F-300)*	
3/4"	18.7	2"	98		

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

KECKLEY

Style BA

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

Cast Bronze Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style BA stainers are constructed from the finest bronze castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.24.

FEATURES

The Keckley Style BA strainer features a machined groove in both the body and cover for proper alignment and to ensure accurate reseating when servicing is required. The gasket is a flexible laminated sheet that is compressed between the body and cover for maximum strength and durability. All Keckley Style BA strainers can be supplied with a brass blow-off plug upon request.

SCREENS

Standard perforated brass 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

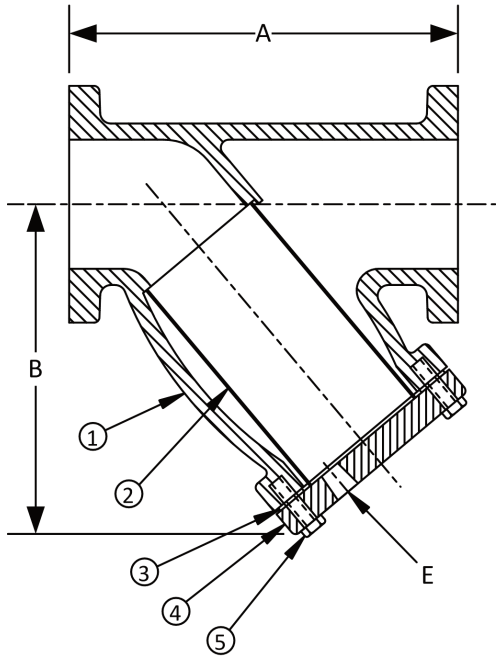
NOM. RATING	MEDIA	2" to 6"	50 mm to 150 mm
150# F.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 406ºF	1035 KPa @ 208ºC
	W.O.G.	225 PSI @ 150ºF	1552 KPa @ 66ºC
NOM. RATING	**MEDIA**	**2" to 6"**	**50 mm to 150 mm**
300# F.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 406ºF	2069 KPa @ 208ºC
	W.O.G.	500 PSI @ 150ºF	3449 KPa @ 66ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style BA

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	Brass
3	Gasket	Composition
4	Cover	Cast Bronze (ASTM B 62, C83600)
5	Hex Head Cap Screws	Steel

Optional: Blow-off Plug, Brass.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
2 to 4	50 to 100	28	3/64	1.2	33%	1/16	1.6	30%
5 to 6	125 to 150	24	3/64	1.2	33%	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	lbs	kgs	lbs	kgs
2	50	8-1/8	206	8-5/8	219	8-1/4	210	1-1/4	32	34	15	39	18
2-1/2	65	9-5/8	244	10-1/8	257	8-1/2	216	1-1/4	32	40	18	57	26
3	80	10-3/8	264	10-15/16	278	8-1/2	216	1-1/4	32	51	23	74	34
4	100	14-7/8	378	15-1/4	387	12-1/2	318	2	50	109	49	149	68
5	125	16	406	16-3/4	425	14-1/2	368	2	50	161	73	221	100
6	150	18-9/16	471	18-1/8	460	15	381	2	50	198	88	253	115

Certified dimensional drawings are available upon request.
†This table reflects only the nearest metric equivalents.

FLOW COEFFICIENTS

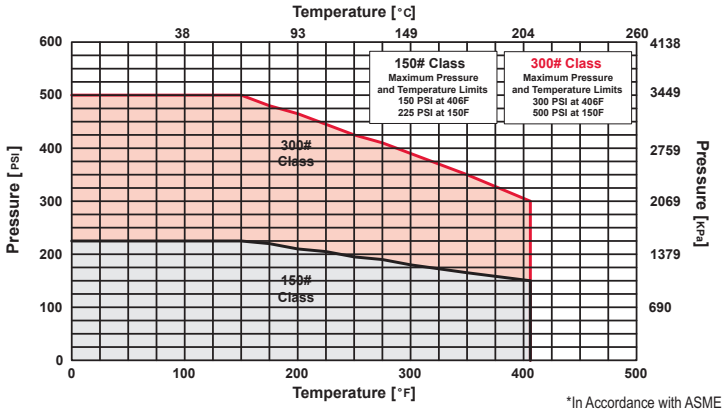
Size	C_V	Size	C_V	Size	C_V
2”	62	3”	155	5”	364
2-1/2”	98	4”	269	6”	585

TOTAL SCREEN AREA

Size	(in^2)	Size	(in^2)	Size	(in^2)
2”	51.55	3”	85.86	5”	219.79
2-1/2”	70.01	4”	154.98	6”	245.08

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

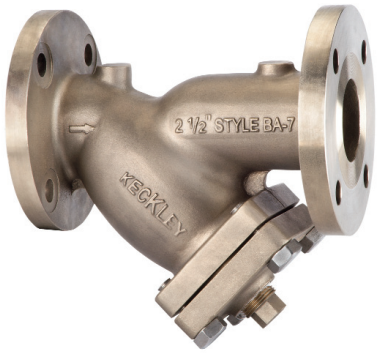


*In Accordance with ASME B16.24

KECKLEY

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 stainers 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

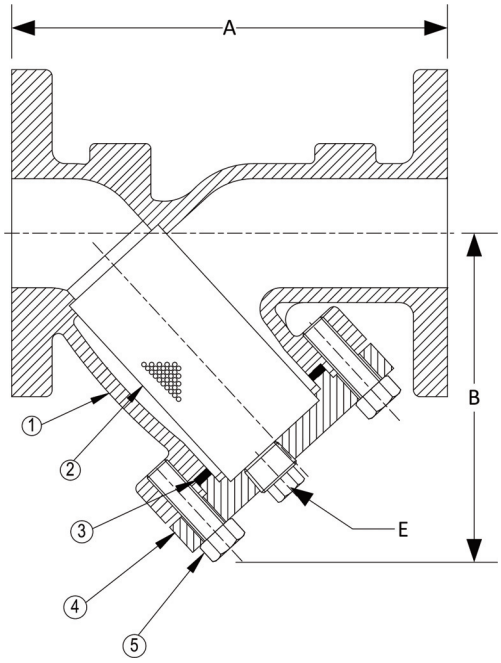
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

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 @ 225ºF	1034 KPa @ 107ºC
	W.O.G.	195 PSI @ 100ºF	1344 KPa @ 38ºC
NOM. RATING	**MEDIA**	**1/2" to 12"**	**15 mm to 300 mm**
300# F.F. & D. (EX. HEAVY FLANGE)	STEAM	360 PSI @ 500ºF	2482 KPa @ 260ºC
	W.O.G.	515 PSI @ 100ºF	3551 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS



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 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	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	3.1	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	13	5.9	18	8.1
1	25	7-3/8	187	7-13/16	198	3-3/4	95	3-5/8	92	1/2	15	13	5.9	18	8.1
1-1/4	32	6-5/8	168	8	203	4-5/16	110	4-1/2	114	1/2	15	17	7.7	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	17	7.7	26	11
2	50	7-7/8	200	9	229	5-1/4	133	6	152	1/2	15	28	12	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	38	17	48	21
3	80	10	254	12-1/2	318	7	178	9-1/16	230	1-1/4	32	64	29	75	34
4	100	12-1/8	308	15-1/8	384	8-1/4	210	10-7/8	276	1-1/2	40	84	38	110	50
5	125	15-1/2	394	18-5/8	479	11-1/4	286	13-9/16	344	2	50	139	63	164	74
6	150	18-1/2	470	19-1/8	486	13-1/2	343	15-7/8	403	2	50	160	72	212	96
8	200	24	610	25-3/16	640	16-1/2	413	16-1/2	413	2	50	296	134	359	163
10	250	27-5/8	702	29-1/8	740	19-3/8	492	19-3/8	492	2	50	408	185	493	224
12	300	32-1/2	826	34	864	22-5/8	575	22-5/8	575	2	50	798	362	938	425

Larger sizes available upon request.
Certified dimensional drawings are available upon request.
†This 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.

KECKLEY

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 stainers 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

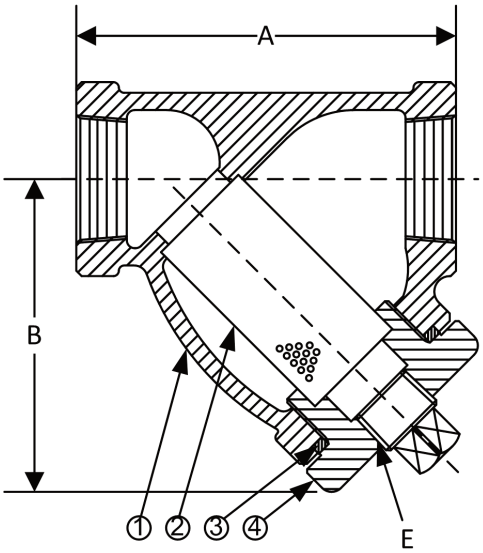
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 838ºF	4138 KPa @ 448ºC
	W.O.G.	1480 PSI @ 100ºF	10208 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SB-7

Y-Strainer, 600 lb. Threaded & Socket Weld
Carbon Steel (ASTM A 216, Grade WCB)



Threaded

Socket Weld

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.

FLOW COEFFICIENTS

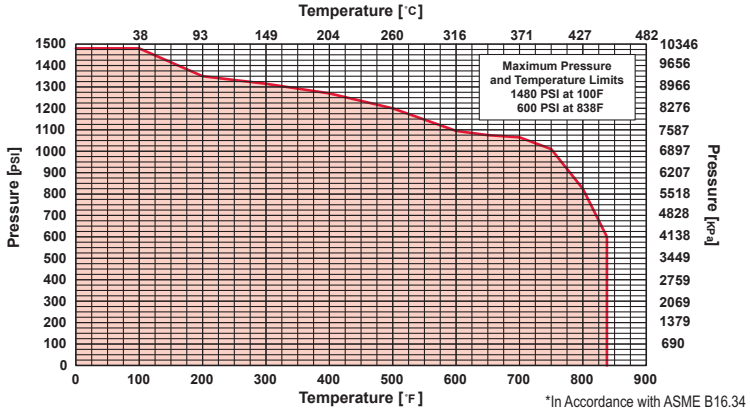
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

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)



*In Accordance with ASME B16.34

KECKLEY

Style SB-7BC

Cast Carbon Steel Y-Strainer

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
600 lb. Threaded Bolted Cover
600 lb. Socket Weld Bolted Cover

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SB-7BC stainers 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

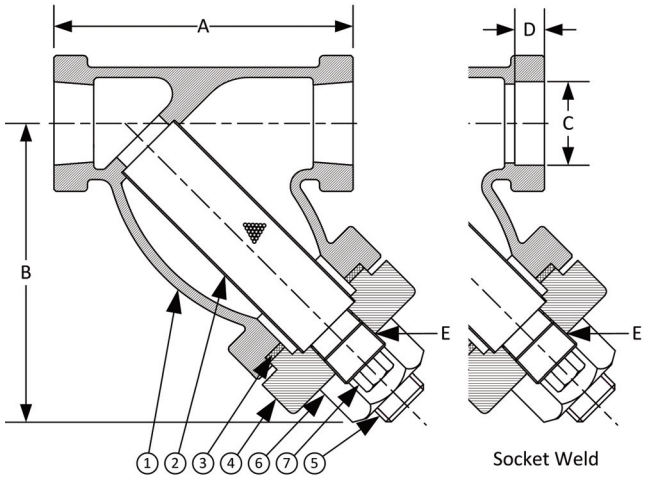
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 838ºF	4138 KPa @ 448ºC
	W.O.G.	1480 PSI @ 100ºF	10208 KPa @ 38ºC

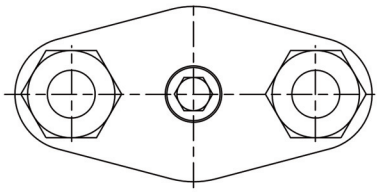
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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.

FLOW COEFFICIENTS

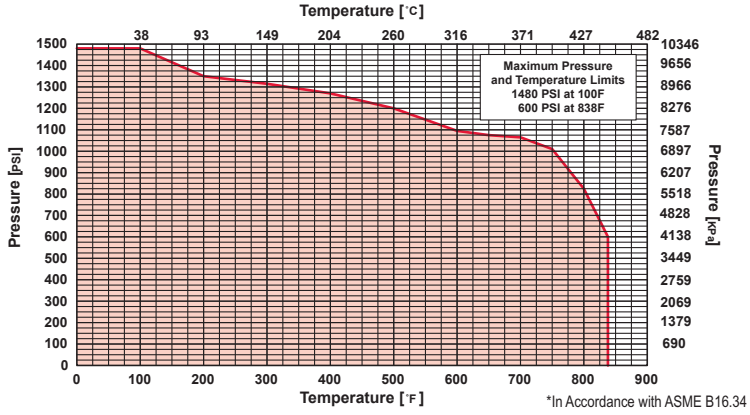
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

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)



*In Accordance with ASME B16.34

KECKLEY

Style SB

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
1500 lb. Threaded
1500 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 stainers 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

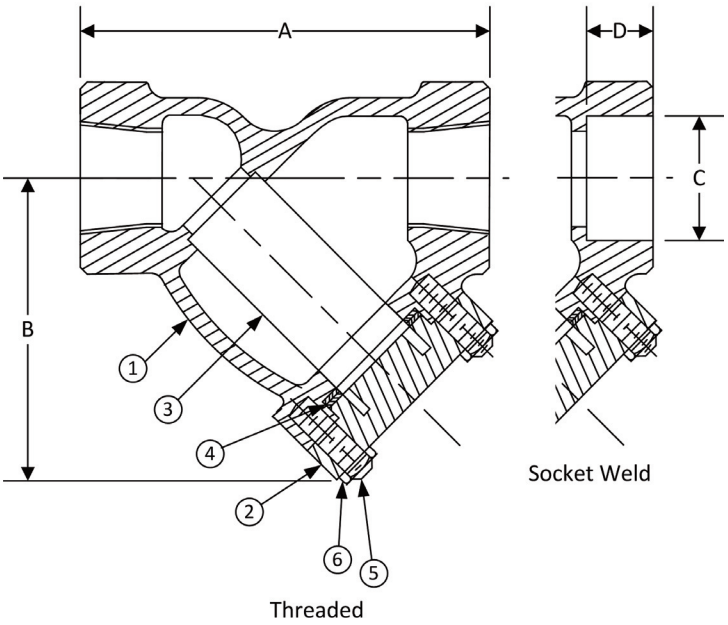
NOM. RATING	MEDIA	1/2" to 3"	15 mm to 80 mm
1500# (THREADED & SOCKET WELD)	STEAM	1500 PSI @ 838ºF	10346 KPa @ 448ºC
	W.O.G.	3705 PSI @ 100ºF	25553 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	0.8	28%	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	0.855	22	3/8	10	10	5
3/4	20	4-1/4	108	3-3/4	95	1.065	27	1/2	13	12	5
1	25	5	127	5	127	1.330	34	1/2	13	15	7
1-1/4	32	8-3/8	213	5-1/2	140	1.675	43	1/2	13	22	10
1-1/2	40	8-3/8	213	5-1/2	140	1.915	49	1/2	13	22	10
2	50	9-5/16	237	7-3/8	187	2.406	61	5/8	16	30	14
2-1/2	65	12	305	10-1/2	267	2.906	74	5/8	16	50	23
3	80	12	305	10-1/2	267	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

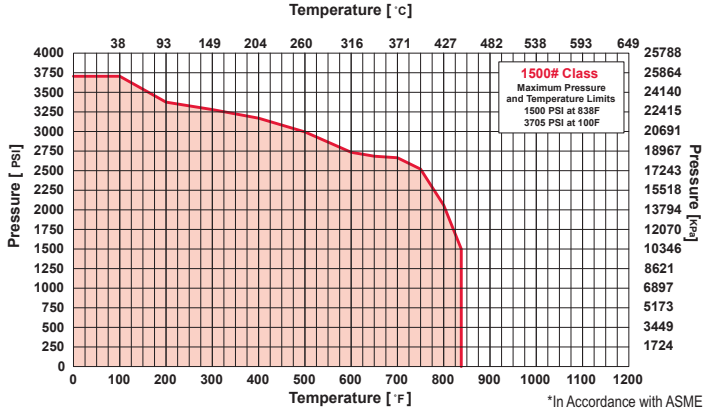
Size	C_V	Size	C_V	Size	C_V
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

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 B16.11

KECKLEY

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 stainers 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

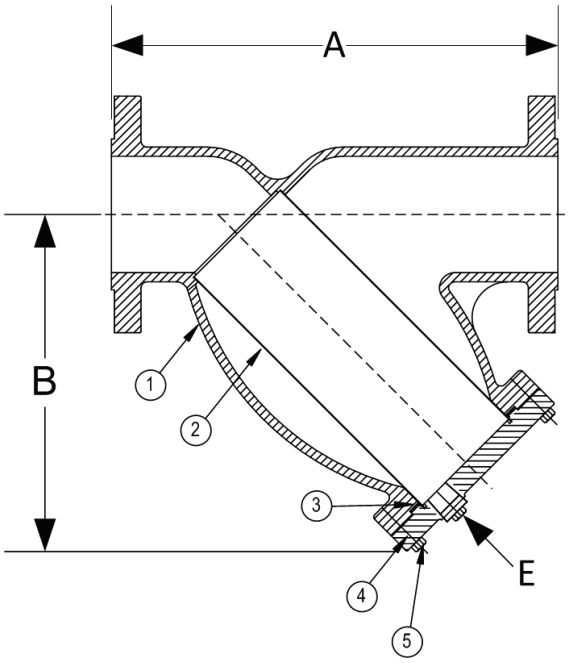
NOM. RATING	MEDIA	1/2" to 14"	15 mm to 350 mm
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565ºF	1035 KPa @ 296ºC
	W.O.G.	285 PSI @ 100ºF	1966 KPa @ 38ºC
NOM. RATING	**MEDIA**	**1/2" to 14"**	**15 mm to 350 mm**
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 838ºF	2069 KPa @ 448ºC
	W.O.G.	740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

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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		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	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 & 14	300 & 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

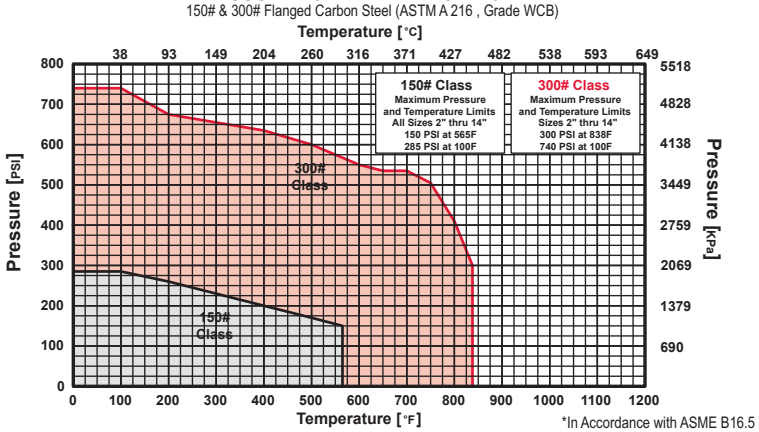
Certified dimensional drawings are available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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)



*In Accordance with ASME B16.5

KECKLEY

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 stainers 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

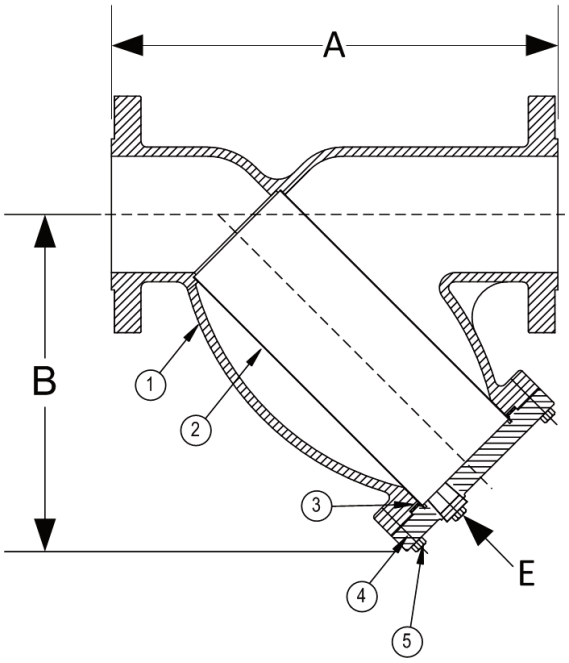
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
600# R.F. & D. (FLANGE)	STEAM	600 PSI @ 838ºF	4138 KPa @ 448ºC
	W.O.G.	1480 PSI @ 100ºF	10208 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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 STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		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			
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	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

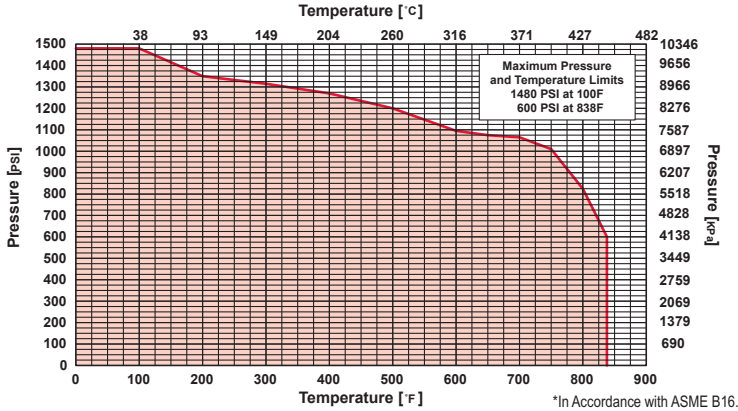
Larger sizes available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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)



*In Accordance with ASME B16.5

KECKLEY

Style SA-7

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
150 lb. & 300 lb. Butt 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 SA-7 stainers are constructed from rugged carbon steel castings and are machined to exacting specifications.

Style SA-7 butt weld connections will be machined to match schedule 40 pipe.

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

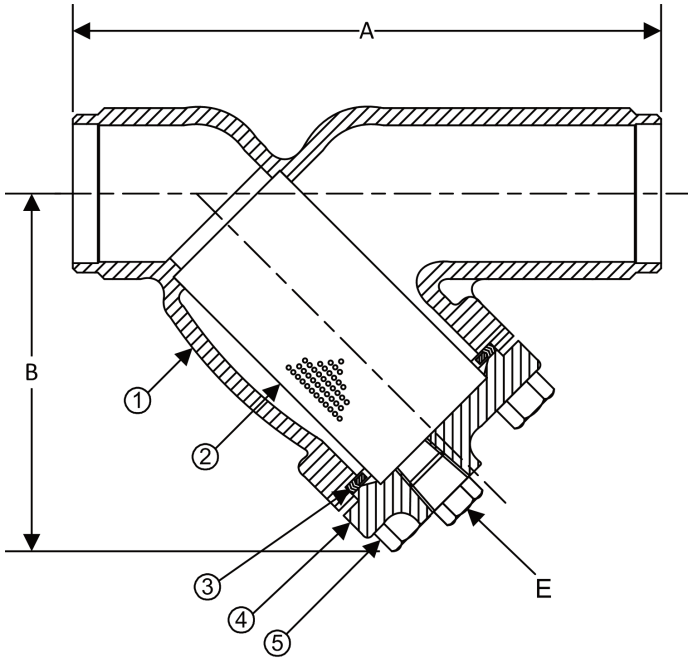
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
150# (BUTT WELD)	STEAM	150 PSI @ 565ºF	1035 KPa @ 296ºC
	W.O.G.	285 PSI @ 100ºF	1966 KPa @ 38ºC
NOM. RATING	**MEDIA**	**1/2" to 12"**	**15 mm to 300 mm**
300# (BUTT WELD)	STEAM	300 PSI @ 838ºF	2069 KPa @ 448ºC
	W.O.G.	740 PSI @ 100ºF	5104 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SA-7

Y-Strainer, 150 lb. & 300 lb. Butt 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	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		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	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 & 14	300 & 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

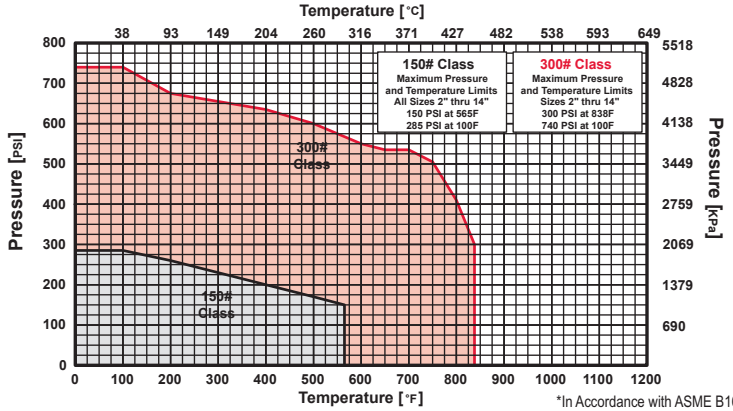
Certified dimensional drawings are available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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)



*In Accordance with ASME B16.34

KECKLEY

Style SA

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
600 lb. Butt 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 SA stainers are constructed from rugged carbon steel castings and are machined to exacting specifications.

Style SA 600 lb. butt weld connections will be machined to match schedule 80 pipe unless otherwise specified.

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

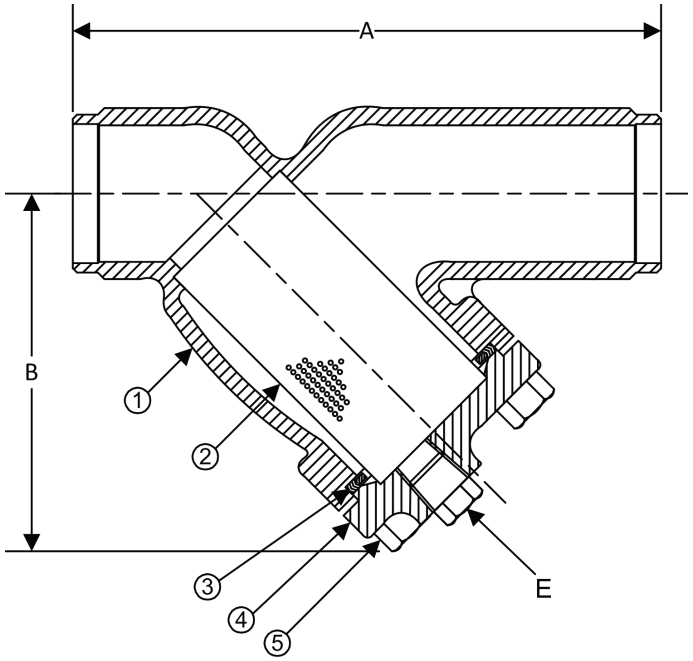
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
600# (BUTT WELD)	STEAM	600 PSI @ 838ºF	4138 KPa @ 448ºC
	W.O.G.	1480 PSI @ 100ºF	10208 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SA

Y-Strainer, 600 lb. Butt 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	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 STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		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			
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	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

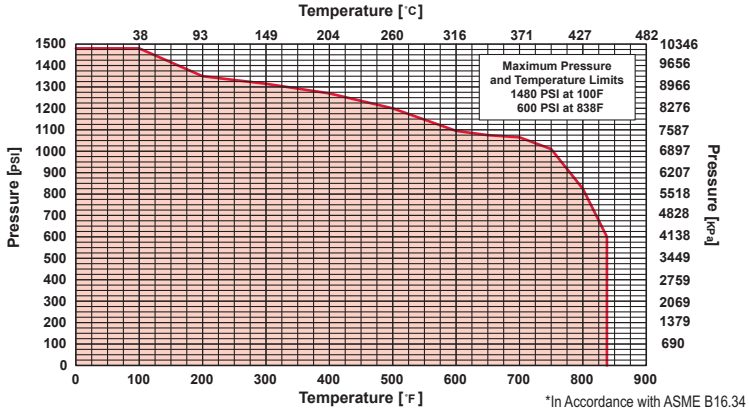
Larger sizes available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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# Butt Weld Carbon Steel (ASTM A 216, Grade WCB)



*In Accordance with ASME B16.34

KECKLEY

Style SSB-7

Cast 316 Stainless Steel Y-Strainer

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
600 lb. Threaded
600 lb. Socket Weld

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SSB-7 stainers 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

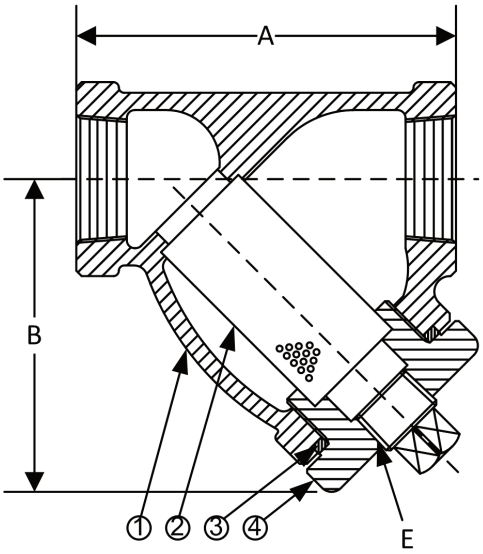
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSB-7

Y-Strainer, 600 lb. Threaded & Socket Weld Stainless Steel (ASTM A 351, Grade CF8M)



Threaded

Socket Weld

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					
			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	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.

FLOW COEFFICIENTS

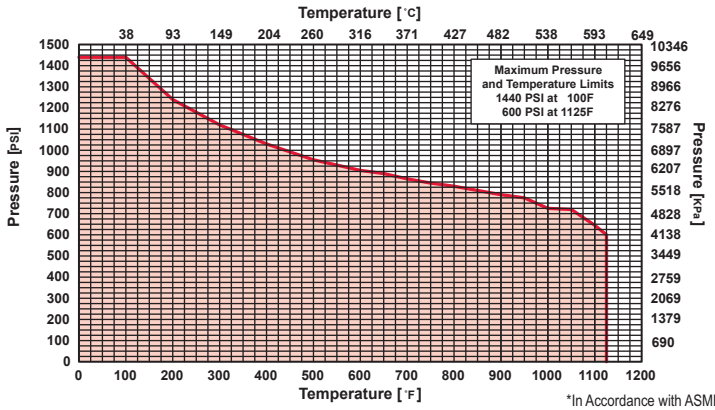
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

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)



*In Accordance with ASME B16.34

KECKLEY

Style SSB-7BC

Cast 316 Stainless Steel Y-Strainer

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
600 lb. Threaded Bolted Cover
600 lb. Socket Weld Bolted Cover

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SSB-7BC stainers 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

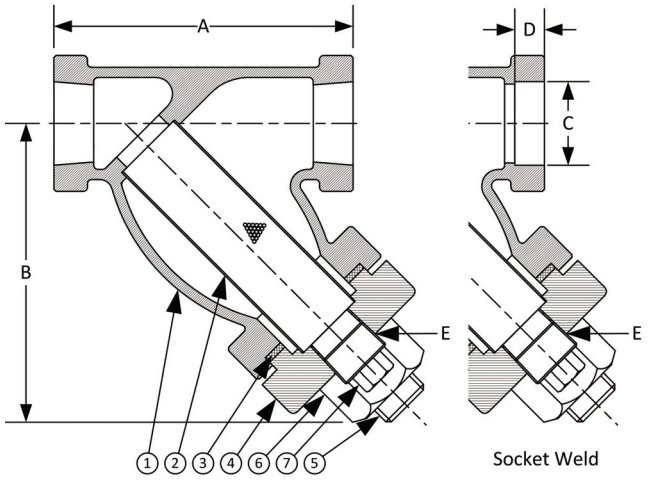
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
600# (THREADED & SOCKET WELD)	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

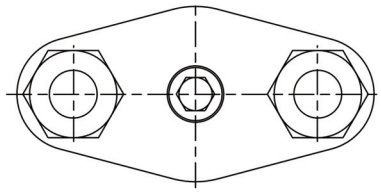
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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		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.

FLOW COEFFICIENTS

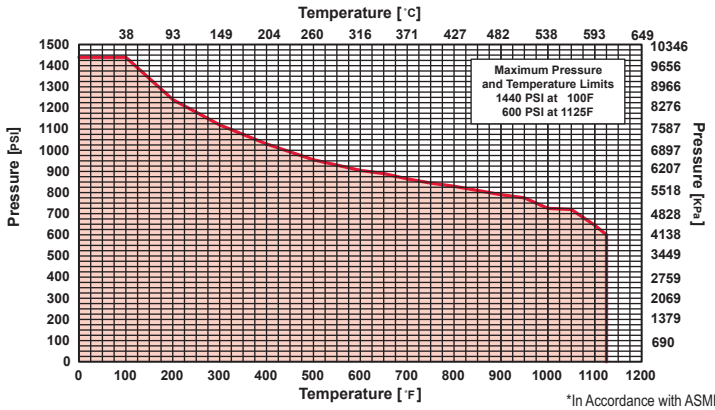
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

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

KECKLEY

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 stainers 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

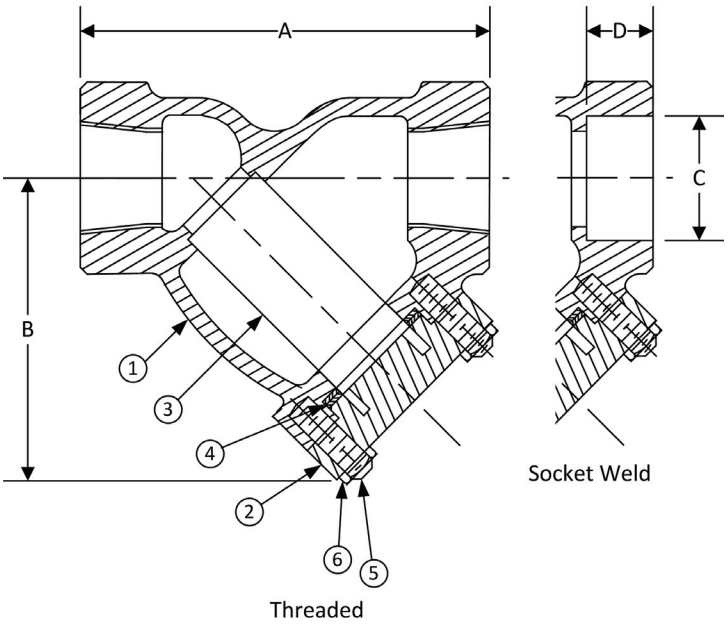
NOM. RATING	MEDIA	1/2" to 3"	15 mm to 80 mm
1500# (THREADED & SOCKET WELD)	STEAM	1500 PSI @ 1125ºF	10346 KPa @ 607ºC
	W.O.G.	3600 PSI @ 100ºF	24829 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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					
			FOR STEAM		OPEN AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		in	mm	
1/2 to 3	15 to 80	26	1/32	0.8	28%	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	0.855	22	3/8	10	10	5
3/4	20	4-1/4	108	3-3/4	95	1.065	27	1/2	13	12	5
1	25	5	127	5	127	1.330	34	1/2	13	15	7
1-1/4	32	8-3/8	213	5-1/2	140	1.675	43	1/2	13	22	10
1-1/2	40	8-3/8	213	5-1/2	140	1.915	49	1/2	13	22	10
2	50	9-5/16	237	7-3/8	187	2.406	61	5/8	16	30	14
2-1/2	65	12	305	10-1/2	267	2.906	74	5/8	16	50	23
3	80	12	305	10-1/2	267	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

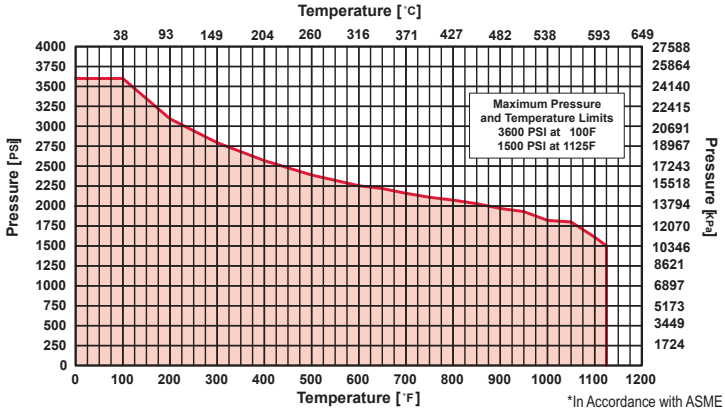
Size	C_V	Size	C_V	Size	C_V
1/2"	9	1-1/4"	45	2-1/2"	129
3/4"	18	1-1/2"	60	3"	170
1"	30	2"	98		

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 B16.11

KECKLEY

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 stainers 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

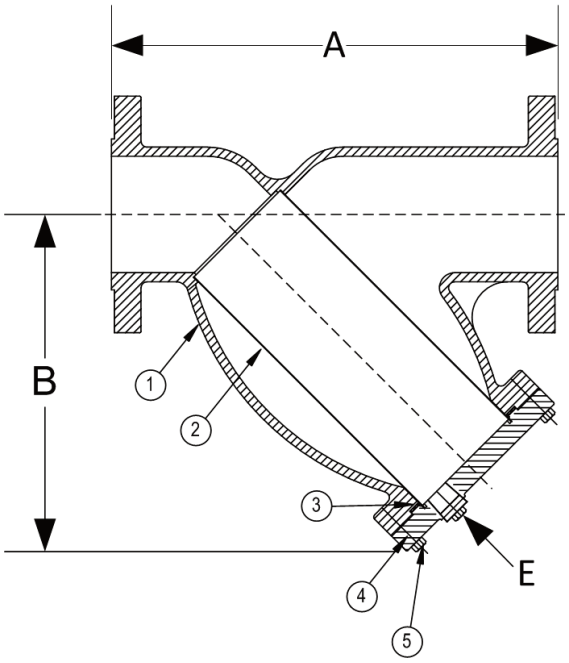
NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
150# R.F. & D. (STANDARD FLANGE)	STEAM	150 PSI @ 565ºF	1035 KPa @ 296ºC
	W.O.G.	275 PSI @ 100ºF	1897 KPa @ 38ºC
NOM. RATING	**MEDIA**	**1/2" to 12"**	**15 mm to 300 mm**
300# R.F. & D. (EX. HEAVY FLANGE)	STEAM	300 PSI @ 1125ºF	2069 KPa @ 607ºC
	W.O.G.	720 PSI @ 100ºF	4966 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

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		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	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 & 14	300 & 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

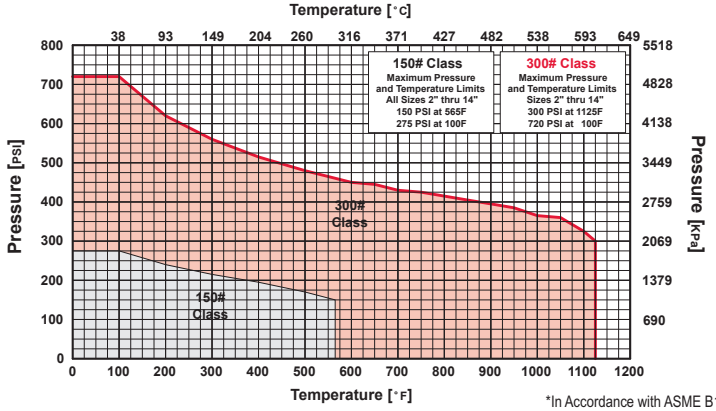
Certified dimensional drawings are available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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)



*In Accordance with ASME B16.5

KECKLEY

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 stainers 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

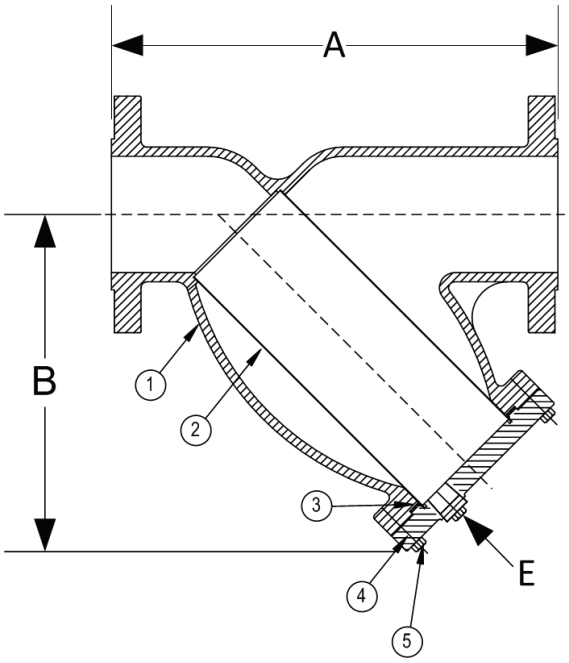
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
600# R.F. & D. (FLANGE)	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS



Style SA

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 AREA	FOR LIQUID		OPEN AREA
in	mm		in	mm		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			
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	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

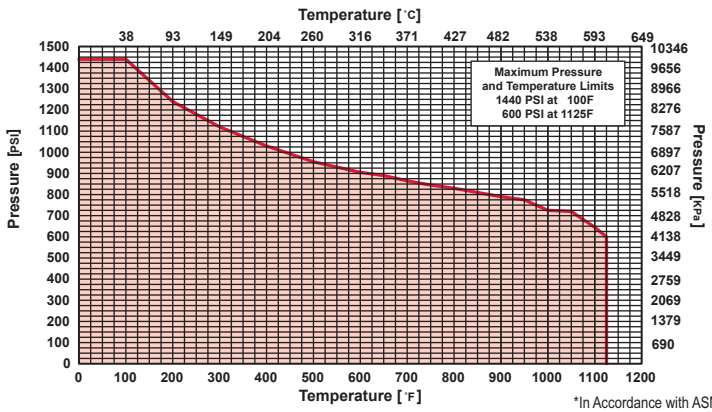
Larger sizes available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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 Stainless Steel (ASTM A 351, Grade CF8M)

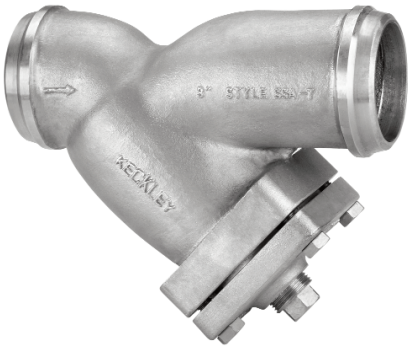


*In Accordance with ASME B16.5

KECKLEY

Style SSA-7

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
150 lb. & 300 lb. Butt 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 SSA-7 stainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications.

Style SSA-7 butt weld connections will be machined to match schedule 40 pipe.

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# (BUTT WELD)	STEAM	150 PSI @ 565ºF	1035 KPa @ 296ºC
	W.O.G.	275 PSI @ 100ºF	1897 KPa @ 38ºC
NOM. RATING	**MEDIA**	**1/2" to 12"**	**15 mm to 300 mm**
300# (BUTT WELD)	STEAM	300 PSI @ 1125ºF	2069 KPa @ 607ºC
	W.O.G.	720 PSI @ 100ºF	4977 KPa @ 38ºC

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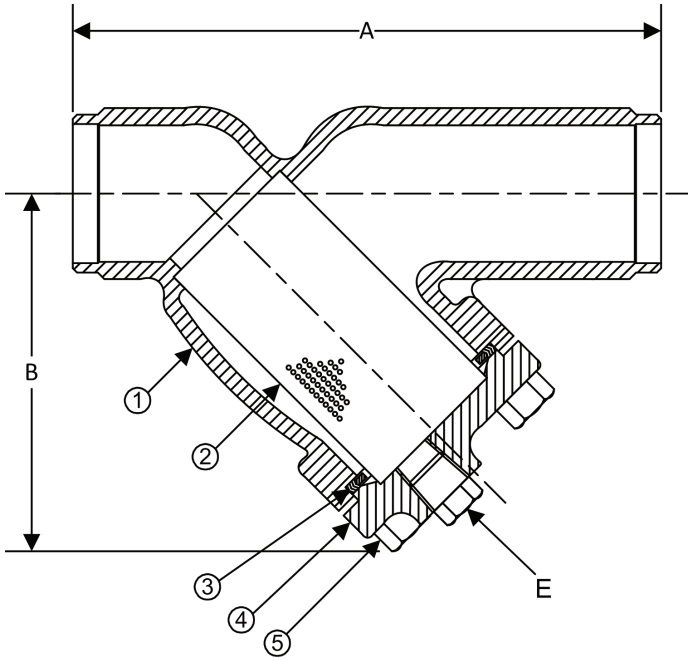
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSA-7

Y-Strainer, 150 lb. & 300 lb. Butt 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	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		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	125 to 250	22	3/64	1.2	33%	1/8	3.2	43%
12 & 14	300 & 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

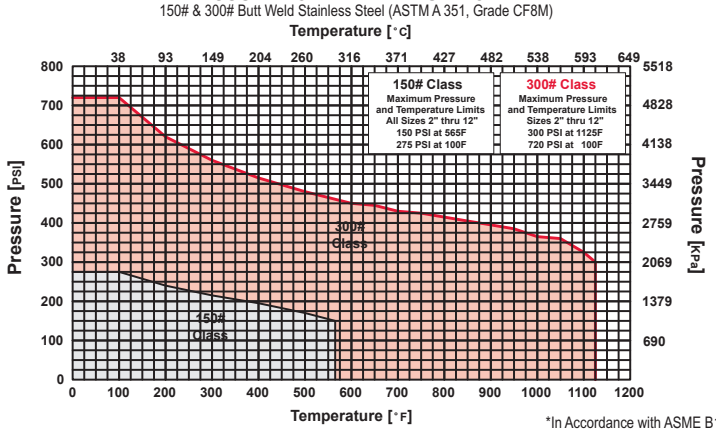
Certified dimensional drawings are available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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# Butt Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.4

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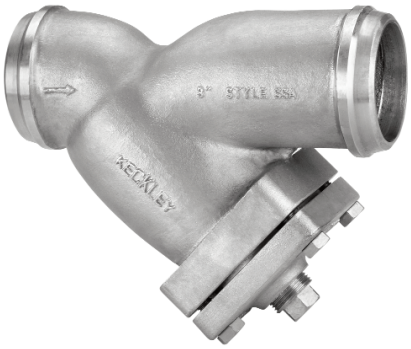
Style SSA

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
600 lb. Butt 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 SSA stainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications.

Style SSA 600 lb. butt weld connections will be machined to match schedule 80 pipe unless otherwise specified.

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# (BUTT WELD)	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

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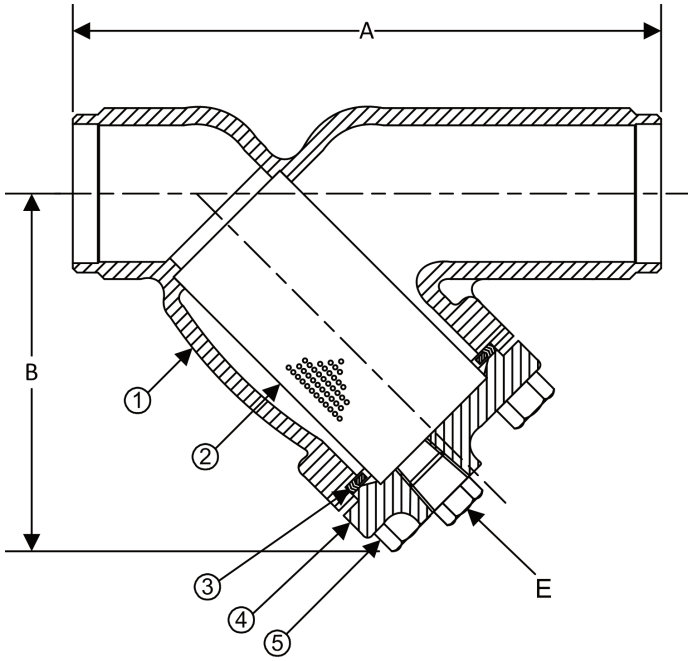
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSA

Y-Strainer, 600 lb. Butt 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	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		OPEN AREA
in	mm		in	mm		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			
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	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

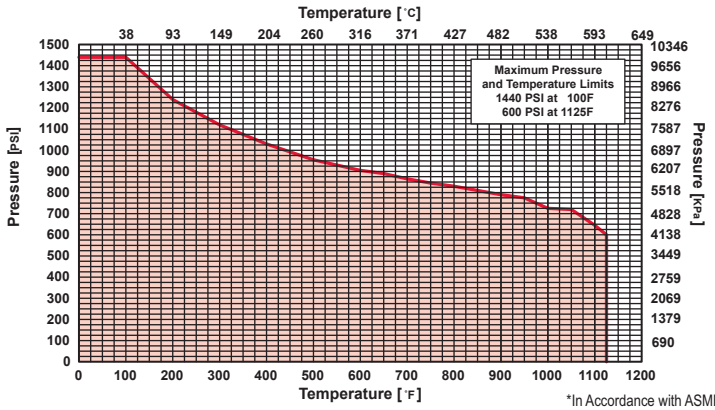
Larger sizes available upon request.
†This table reflects only the nearest metric equivalents.

TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
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# Butt Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

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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.

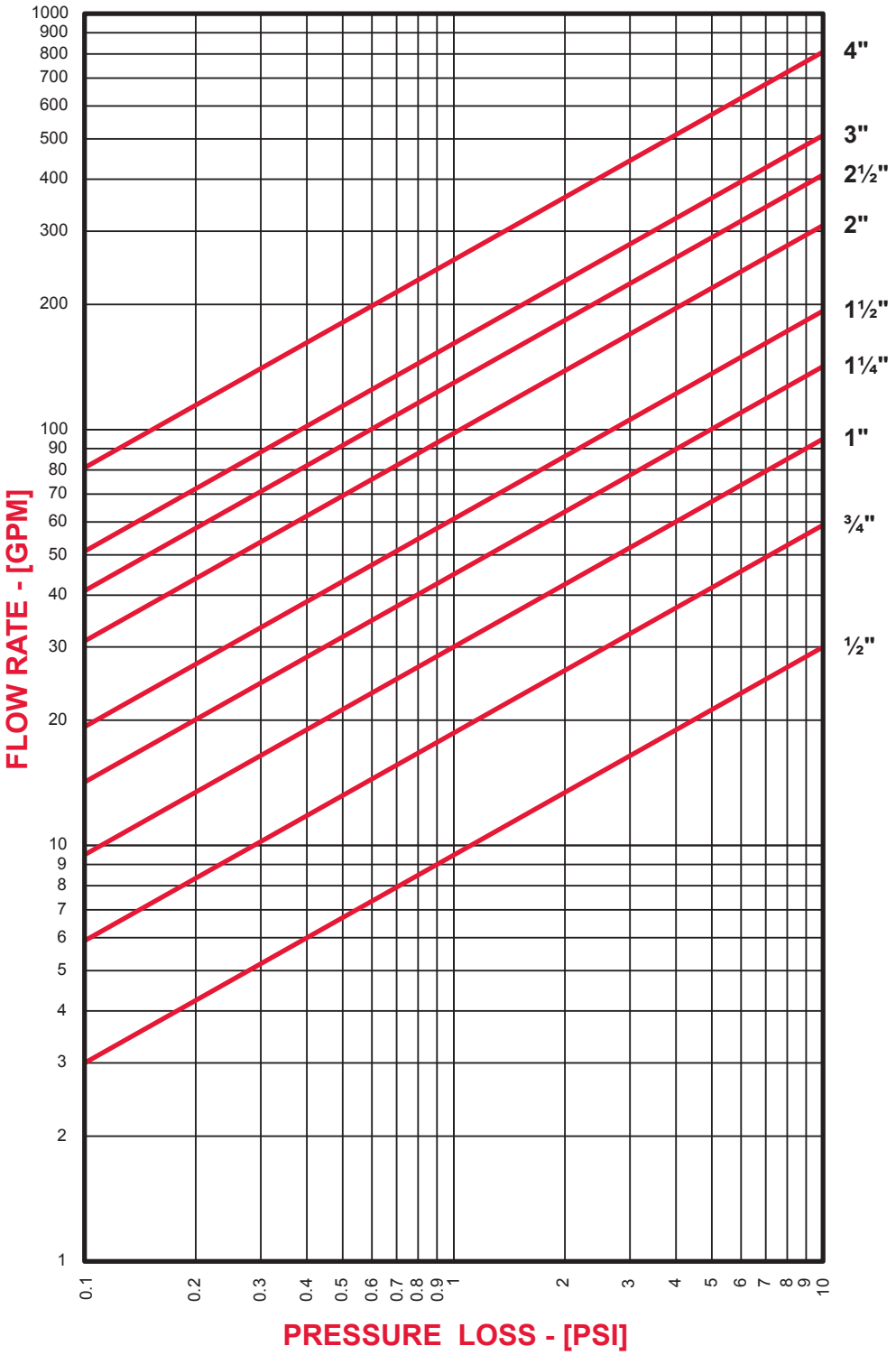
TO USE CHARTS:

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



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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".

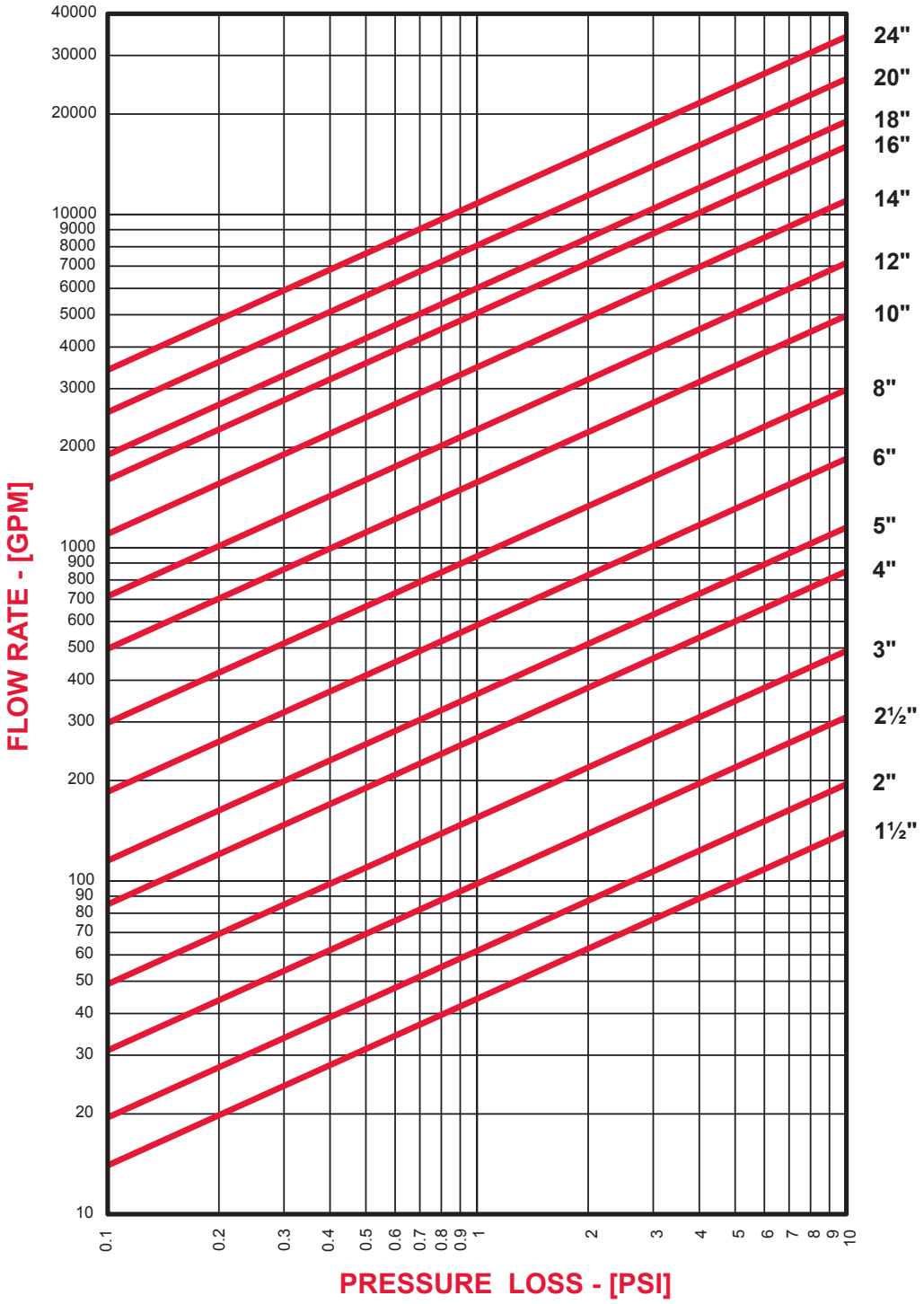
TO USE CHARTS:

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



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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