KECKLEY

"Y" Strainer

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Style B

Y-Strainer
Cast Iron (ASTM A 126, Class B)
Class 250 NPT

Cast Iron Y-Strainer

APPLICATIONS

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

CONSTRUCTION

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

FEATURES

The Keckley Style B features a tapered bushing in sizes 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
CLASS 250	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).

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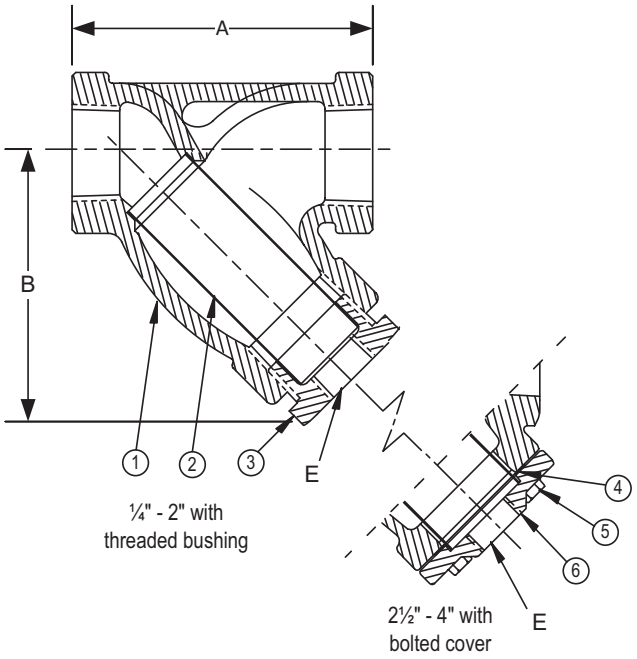
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style B

Y-Strainer, Class 250 NPT
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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/4 to 2	8 to 50	20 MESH STAINLESS STEEL					49%
2-1/2 to 4	65 to 100	1/16	1.6	30%	3/64	1.2	33%

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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.4.

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

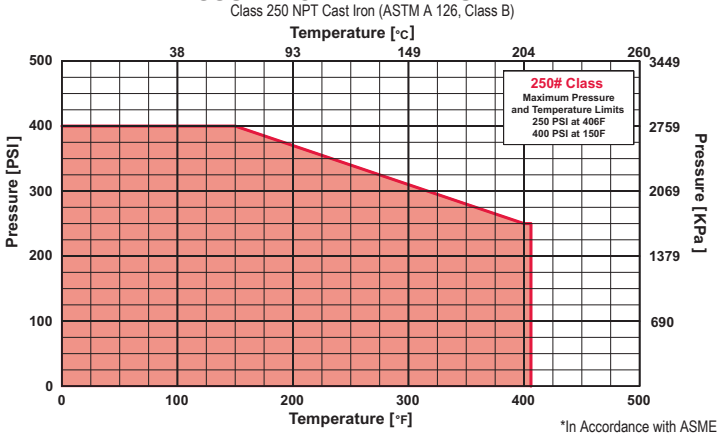
TOTAL SCREEN AREA

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

Class 250 NPT Cast Iron (ASTM A 126, Class B)



*In Accordance with ASME B16.4

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Style B7

Y-Strainer
Cast Iron (ASTM A 126, Class B)
Class 250 NPT

Cast Iron Y-Strainer

APPLICATIONS

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

CONSTRUCTION

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

FEATURES

The Keckley Style B7 strainer features a straight thread bushing in sizes 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
CLASS 250	STEAM	250 PSI @ 406ºF	1724 KPa @ 208ºC
	W.O.G.	400 PSI @ 150ºF	2759 KPa @ 66ºC

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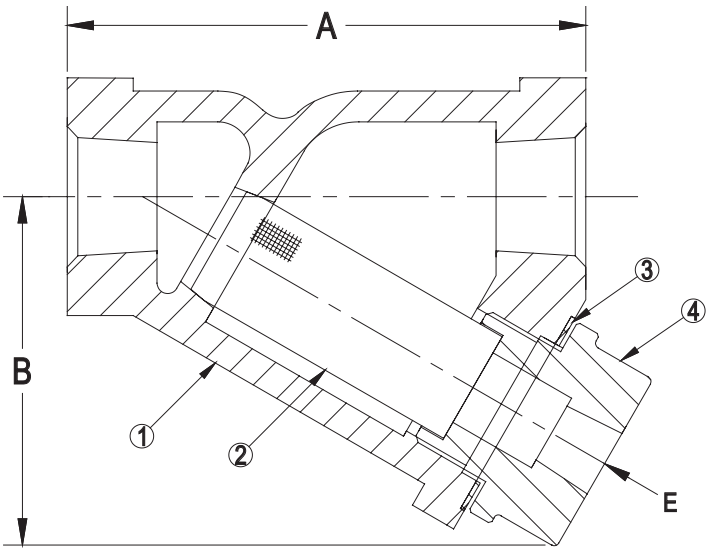
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style B7

Y-Strainer, Class 250 NPT
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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/4 to 2	8 to 50	20 MESH STAINLESS STEEL					49%
2-1/2 to 3	65 to 80	1/16	1.6	30%	3/64	1.2	33%

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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.4.

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		

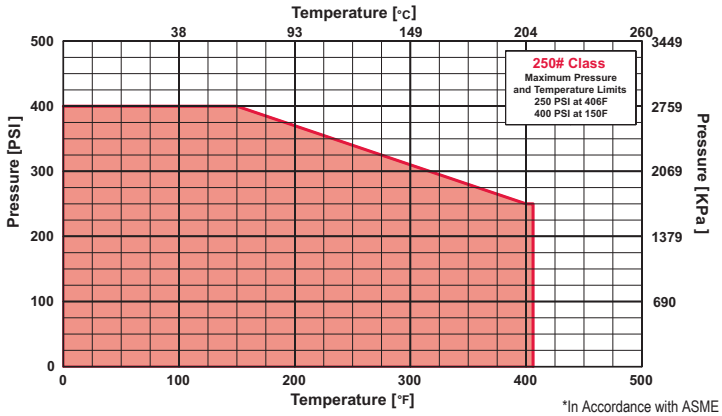
TOTAL SCREEN AREA

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

Class 250 NPT Cast Iron (ASTM A 126, Class B)



*In Accordance with ASME B16.4

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Style A7

Y-Strainer
Cast Iron (ASTM A 126, Class B)
Class 125 FF Flanged

Cast Iron Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style A7 strainers are constructed from rugged cast iron castings that are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.1.

FEATURES

The Keckley Style A7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. Style A7 strainers are furnished with a synthetic fiber that is compressed between the body and cover for maximum strength and durability. Keckley Style A7 strainers, sizes 2" - 12", are supplied with ¼" NPT DP taps.

SCREENS

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

SELF CLEANING

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

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	2" to 12"	50 mm to 300 mm
CLASS 125	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

GOVERNMENT/MILITARY SPECIFICATIONS

Style A7 cast iron flanged strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).

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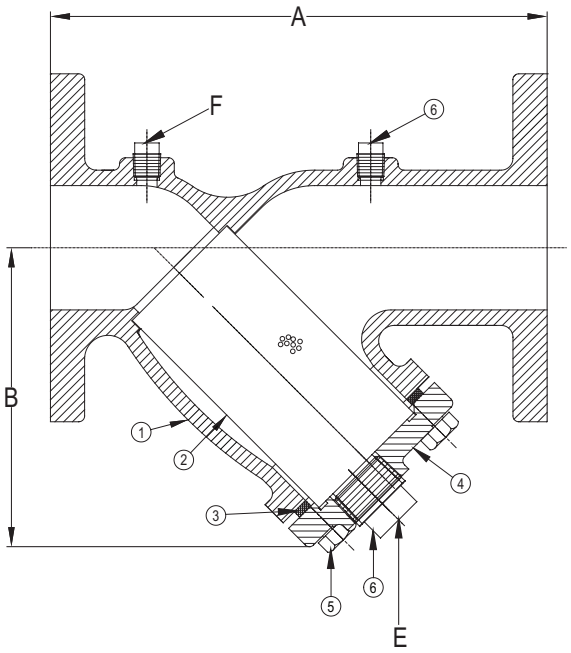
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style A7

Y-Strainer, Class 125 FF Flanged
Cast Iron (ASTM A 126, Class B)



DP Taps are only on sizes 2" - 12".
"F" dimension is ¼" NPT for sizes 2" - 12".

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

STANDARD SCREENS SUPPLIED

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

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

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
2	50	7-7/8	200	5-1/16	129	1/2	15	17	8
2-1/2	65	10	254	6-1/8	156	1	25	24	11
3	80	10-1/8	257	6-9/16	167	1	25	31	14
4	100	12-1/8	308	8-1/16	205	1-1/2	40	50	23
5	125	15-5/8	397	11	278	2	50	86	39
6	150	18-1/2	470	12-5/8	322	2	50	114	52
8	200	21-5/8	549	15-5/8	396	2	50	203	92
10	250	25-3/4	654	17-3/4	451	2	50	293	133
12	300	29-7/8	759	21-5/16	542	2	50	489	222
14	350	33-1/4	846	26-3/4	680	2	50	772	350
16	400	38-3/4	984	30-1/8	765	2	50	994	451
18	450	43-1/2	1105	33-1/4	845	2	50	1379	626
20	500	49/1/2	1257	39-1/4	997	2	50	1652	750
24	600	55-13/16	1418	41	1041	2	50	3400	1542

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.1.

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		
3"	155	8"	942	16"	5060		
4"	269	10"	1572	18"	6008		

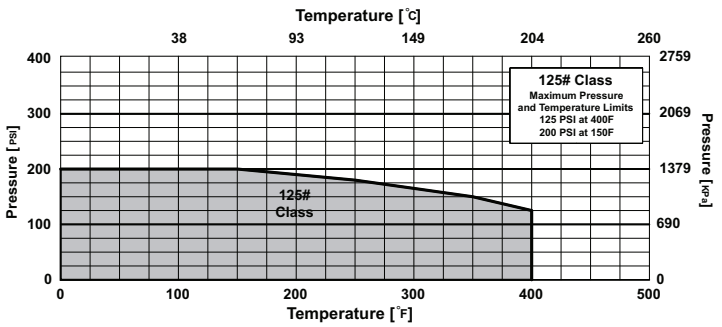
TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)	Size	(in²)
2"	28.84	5"	143.94	12"	596.07	20"	2947.1
2 ½"	45.47	6"	237.76	14"	1175.30		
3"	54.68	8"	345.30	16"	1471.34		
4"	91.12	10"	537.30	18"	2381.54		

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

PRESSURE vs. TEMPERATURE CHART

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



*In Accordance with ASME B16.1

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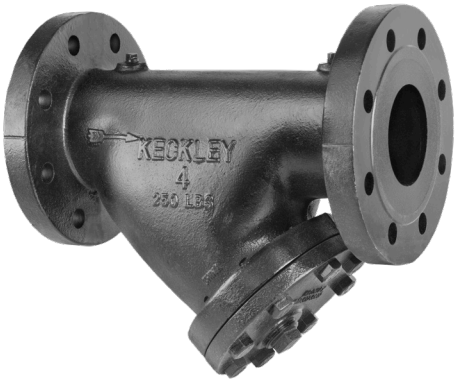
Style A7

Y-Strainer

Cast Iron (ASTM A 126, Class B)

Class 250 RF Flanged



Cast Iron Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style A7 strainers are constructed from rugged cast iron castings that are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.1.

FEATURES

The Keckley Style A7 strainer features a machined groove in both the body and cover for proper screen alignment and to ensure accurate reseating when servicing is required. Style A7 strainers are furnished with a synthetic fiber that is compressed between the body and cover for maximum strength and durability. Keckley Style A7 strainers, sizes 2" - 12", are supplied with ¼" NPT DP taps.

SCREENS

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

SELF CLEANING

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

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	2" to 12"	50 mm to 300 mm
CLASS 250	STEAM	250 PSI @ 450ºF	1724 KPa @ 232ºC
	W.O.G.	500 PSI @ 150ºF	3449 KPa @ 66ºC
	MEDIA	**14" and 16"**	**350 mm and 400 mm**
	STEAM	200 PSI @ 406ºF	1379 KPa @ 208ºC
	W.O.G.	300 PSI @ 150ºF	2069 KPa @ 66ºC

GOVERNMENT/MILITARY SPECIFICATIONS

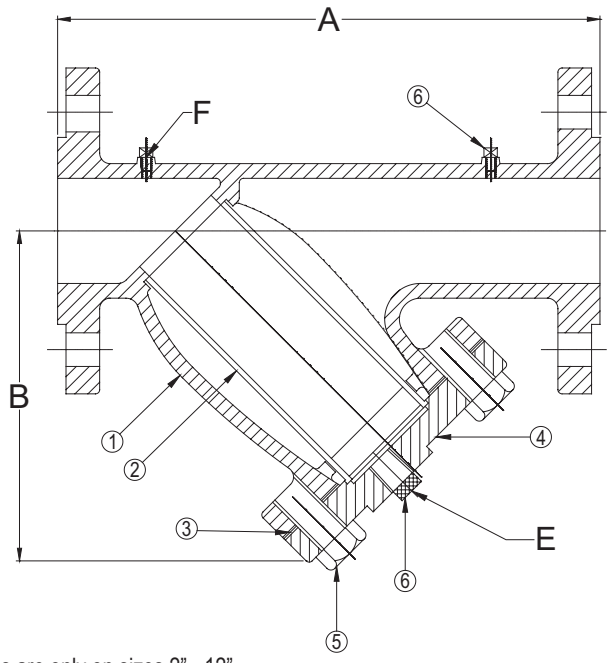
Style A cast iron flanged strainers meet or exceed government specification WW-S-2739 (Supersedes MIL-S-16293).

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style A7

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



DP Taps are only on sizes 2" - 12".
"F" dimension is ¼" NPT for sizes 2" - 12".

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

STANDARD SCREENS SUPPLIED

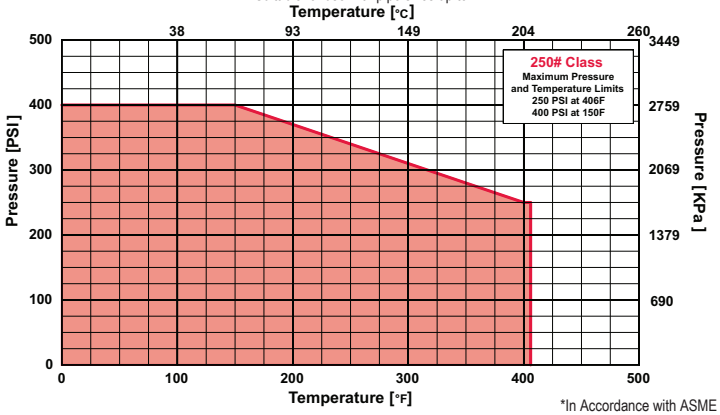
SIZE		SCREEN PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%
14 & 16	350 & 400	1/8	3.2	43%	1/8	3.2	43%

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

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
2	50	9-5/16	237	6-1/4	159	1/2	15	33	15
2-1/2	65	11-1/16	281	7-3/4	197	1	25	49	22
3	80	12-5/8	321	8-1/4	210	1	25	57	26
4	100	15-5/8	397	10-1/8	257	1-1/4	32	106	48
5	125	18-1/4	464	12-1/2	318	1-1/4	32	157	71
6	150	20-3/16	512	14-3/8	365	1-1/2	40	215	98
8	200	25-1/8	638	17-1/2	445	1-1/2	40	315	143
10	250	29-1/8	739	21	533	2	50	525	238
12	300	33-3/4	857	23-5/8	600	2	50	700	318
14	350	37-1/4	946	27-1/8	689	2	50	1400	635
16	400	42-3/8	1076	29-1/4	743	2	50	1850	839

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.1.

PRESSURE vs. TEMPERATURE CHART
Class 250 RF Flanged Cast Iron (ASTM A 126, Class B)
Suitable for use with pipe sizes up to 12"



*In Accordance with ASME B16.1

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Style BDI

Y-Strainer
Ductile Iron (ASTM A 536, Grade 65-45-12)
Class 300 NPT

Ductile Iron Y-Strainer

APPLICATIONS

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

CONSTRUCTION

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

FEATURES

The Keckley Style BDI features a tapered bushing and is furnished standard with a NPT blow-off connection and can be supplied with an iron blow-off plug upon request.

SCREENS

Standard screens are 20 mesh 304 stainless steel and are spot welded for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *water* will be supplied.

SELF CLEANING

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

WORKING PRESSURES - NON SHOCK

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

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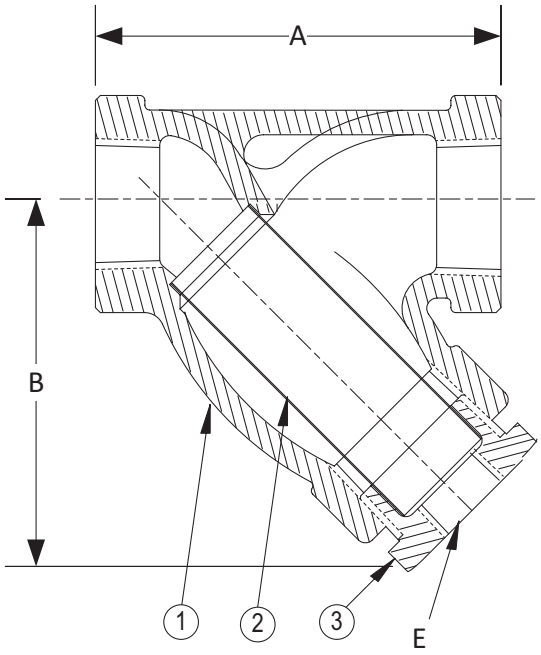
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style BDI

Y-Strainer, Class 300 NPT
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 PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
1/2 to 2	15 to 50	20 MESH STAINESS 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.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.3.

FLOW COEFFICIENTS

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

TOTAL SCREEN AREA

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

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

Tensile Strength: 60/80,000 PSI
Yield Strength: 45/60,000 PSI
Elongation: 10/30%

Certified Dimensional Drawings are Available Upon Request.

KECKLEY

Style F150

Y-Strainer
Cast Bronze (ASTM B 584, C84400)
Class 125 NPT

Style E150

Y-Strainer
Cast Bronze (ASTM B 584, C84400)
Class 125 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 F150 & E150 strainers are constructed from the finest bronze castings and are machined to exacting specifications.

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

FEATURES

The Keckley Style F150 & E150 strainers feature a machined seat in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. These strainers have a straight threaded cap and are furnished standard with a NPT blow-off connection. The gasket is a flat fiber gasket that is compressed between the body and cap for maximum strength and durability. Keckley Style F150 & E150 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" and 3" 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
CLASS 125	STEAM	125 PSI @ 400ºF	862 KPa @ 204ºC
	W.O.G.	200 PSI @ 150ºF	1379 KPa @ 66ºC

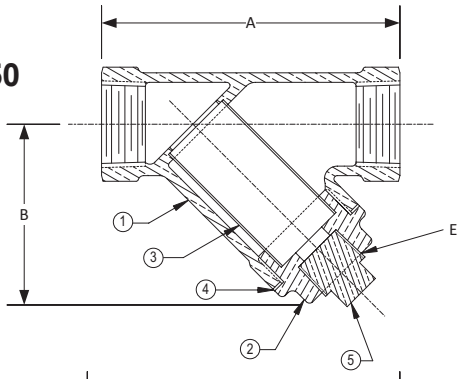
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

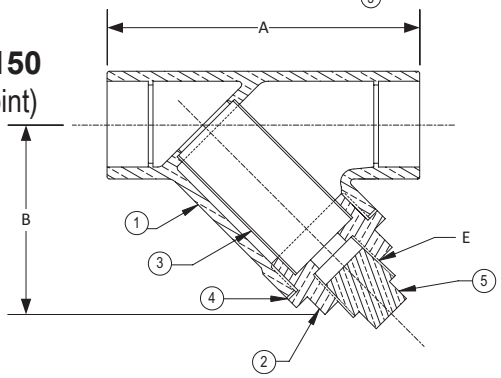
Style F150 & E150

Y-Strainer, Class 125 NPT & Solder Joint
Cast Bronze (ASTM B 584, C84400)

Style F150
(NPT)



Style E150
(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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/4 to 2	8 to 50	20 MESH STAINLESS STEEL					49%
2-1/2 to 3	65 to 80	3/64	1.2	33%	3/64	1.2	33%

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							
		F150		E150		F150		E150		F150		E150		F150		E150	
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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.15 and solder joint strainers have a tolerance in compliance with ASME B16.18.

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		

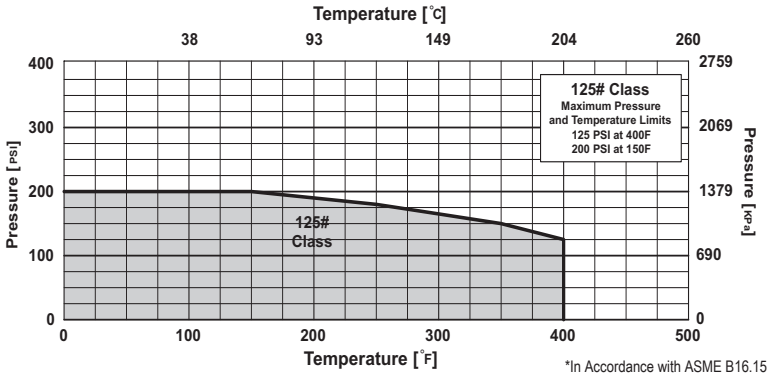
TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)
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

Class 125 NPT & Solder Joint Bronze (ASTM B 548, C84400)



*In Accordance with ASME B16.15

KECKLEY

Style F7

Y-Strainer
Cast Bronze (ASTM B 584, C89833)
Class 125 NPT

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Style E7

Y-Strainer
Cast Bronze (ASTM B 584, C89833)
Class 125 Solder Joint

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Cast Bronze Y-Strainer (Lead Free*)

APPLICATIONS

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

CONSTRUCTION

The Keckley Style F7 & E7 strainers are constructed from the finest bronze castings and are machined to exacting specifications.

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

FEATURES

The Keckley Style F7 & E7 strainers feature a machined seat in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. These strainers have a straight threaded cap and are furnished standard with a NPT blow-off connection. The gasket is a flat PTFE gasket that is compressed between the body and cap for maximum strength and durability. Keckley Style F7 & E7 strainers are furnished with a bronze blow-off plug unless otherwise specified.

SCREENS

Standard screens are 20 mesh 304 stainless steel through size 2". Sizes 2-1/2" and 3" 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
CLASS 125	STEAM	125 PSI @ 400ºF	862 KPa @ 204ºC
	W.O.G.	200 PSI @ 150ºF	1379 KPa @ 66ºC

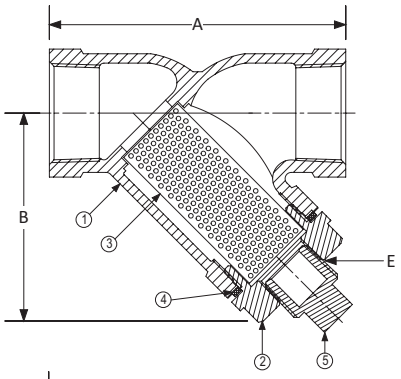
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

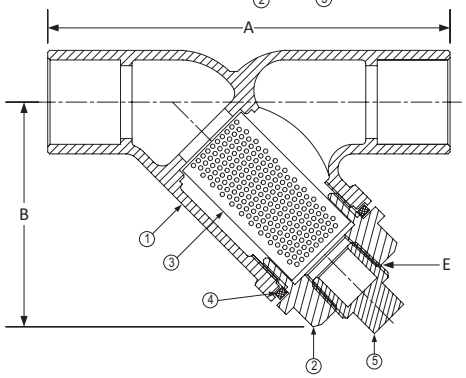
Style F7 & E7

Y-Strainer, Class 125 NPT & Solder Joint
Cast Bronze (ASTM B 584, C89833) Lead Free*

Style F7
(Threaded)



Style E7
(Solder Joint)



PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	Body	Bronze (ASTM B 584, C89833)
2	Cap	Bronze (ASTM B 584, C89833)
3	Screen	Stainless Steel (304)
4	Gasket	PTFE
5	Plug	Bronze (ASTM B 584, C89833)

*The wetted surface of this product contacted by consumbale water contains less than 0.25% of lead by weight.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		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	3/64	1.2	33%	3/64	1.2	33%

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							
		F7		E7		F7		E7		F7		E7		F7		E7	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/4	8	2-9/16	65	2-1/16	53	1-7/8	48	1-3/8	35	1/4	8	1/8	6	0.63	0.29	0.20	0.09
3/8	10	2-9/16	65	3-1/8	80	1-7/8	48	1-13/16	46	1/4	8	1/4	8	0.58	0.26	0.46	0.21
1/2	15	2-9/16	65	3-1/8	80	1-7/8	48	1-15/16	49	1/4	8	1/4	8	0.55	0.25	0.48	0.22
3/4	20	3	77	4-1/8	105	2-1/4	57	2-5/16	59	3/8	10	3/8	10	0.87	0.39	0.86	0.39
1	25	3-3/4	95	4-15/16	125	2-7/16	62	2-5/8	67	1/2	15	1/2	15	1.38	0.63	1.25	0.57
1-1/4	32	4-7/16	113	5-11/16	145	3-3/8	86	3-1/4	83	1/2	15	1/2	15	2.90	1.32	2.06	0.93
1-1/2	40	4-7/8	123	6-5/8	170	3-9/16	91	3-11/16	94	3/4	20	3/4	20	3.27	1.48	2.93	1.33
2	50	5-1/4	133	8-1/4	210	4-5/16	110	4-1/2	114	1	25	1	25	4.99	2.26	5.48	2.49
2-1/2	65	6-15/16	175	9-3/4	247.5	5	127	5-3/8	137	1-1/4	32	1-1/4	32	9.88	4.48	10.16	4.61
3	80	7-7/8	200	11-3/8	289	5-5/8	143	6-1/8	156	1-1/2	40	1-1/2	40	14.20	6.44	14.30	6.49

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.15 and solder joint strainers have a tolerance in compliance with ASME B16.18.

FLOW COEFFICIENTS

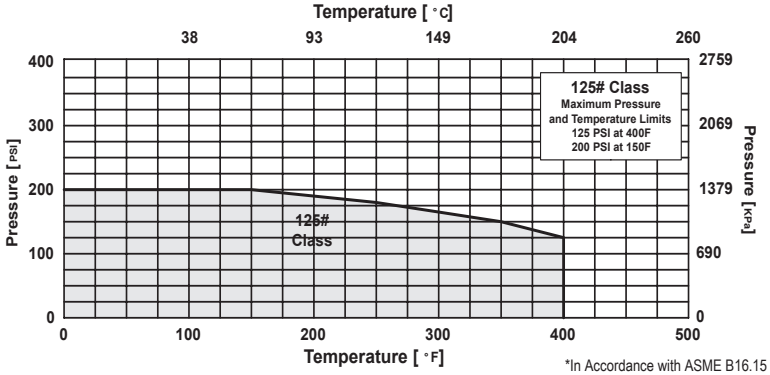
Size	C_V	Size	C_V	Size	C_V
1/4"	9.5	1"	30	2-1/2"	129.7
3/8"	9.5	1-1/4"	44.9	3"	161.3
1/2"	9.5	1-1/2"	61		
3/4"	18.7	2"	98		

TOTAL SCREEN AREA

Size	(in^2)	Size	(in^2)	Size	(in^2)
1/4"	2.92	1"	6.70	2-1/2"	34.06
3/8"	2.92	1-1/4"	12.25	3"	47.01
1/2"	2.92	1-1/2"	14.58	(Total screen area listed are for Style F7)	
3/4"	4.34	2"	22.88		

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

PRESSURE vs. TEMPERATURE CHART
Class 125 NPT & Solder Joint Bronze (ASTM B 584, C89833)



*In Accordance with ASME B16.15

KECKLEY

Style F300

Y-Strainer
Cast Bronze (ASTM B 62, C83600)
Class 250 NPT

Style E300

Y-Strainer
Cast Bronze (ASTM B 62, C83600)
Class 250 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 F300 & E300 strainers are constructed from the finest bronze castings and are machined to exacting specifications.

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

FEATURES

The Keckley Style F300 & E300 strainers feature a machined seat in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. These strainers have a straight threaded cap and are furnished standard with a NPT blow-off connection. The gasket is a flat copper gasket that is compressed between the body and cap for a maximum strength and durability. Keckley Style F300 & E300 strainers can be furnished with a bronze blow-off plug upon request.

SCREENS

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

SELF CLEANING

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

WORKING PRESSURES - NON SHOCK

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

GOVERNMENT/MILITARY SPECIFICATIONS

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

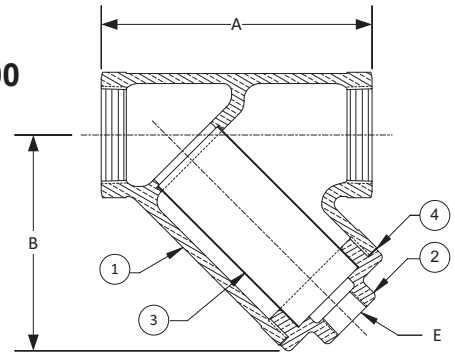
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

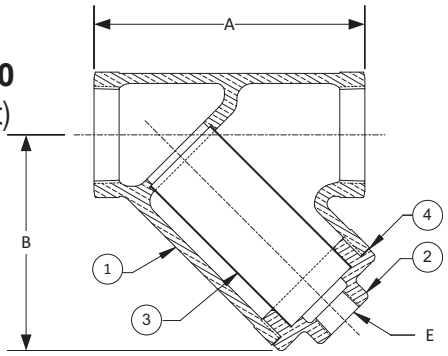
Style F300 & E300

Y-Strainer, Class 250 NPT & Solder Joint
Cast Bronze (ASTM B 62, C83600)

Style F300
(Threaded)



Style E300
(Solder Joint)



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

Optional: Blow-off Plug, Brass.

STANDARD SCREENS SUPPLIED

SIZE		SCREEN PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
1/4 to 3	8 to 80	3/64	1.2	33%	1/32	0.8	29%

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							
		F300		E300		F300		E300		F300		E300		F300		E300	
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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.15 and solder joint strainers have a tolerance in compliance with ASME B16.18.

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 F300)*	
3/4"	18.7	2"	98		

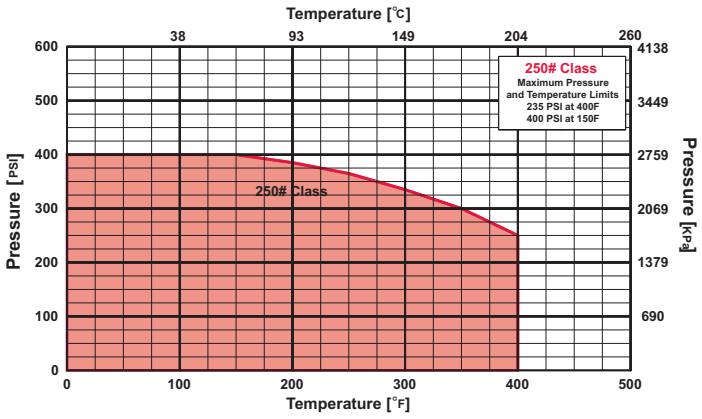
TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)
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 F300)*	
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

Class 250 NPT & 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)
Class 150 & 300 FF 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 strainers 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
CLASS 150	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**
CLASS 300	STEAM	300 PSI @ 406ºF	2069 KPa @ 208ºC
	W.O.G.	500 PSI @ 150ºF	3449 KPa @ 66ºC

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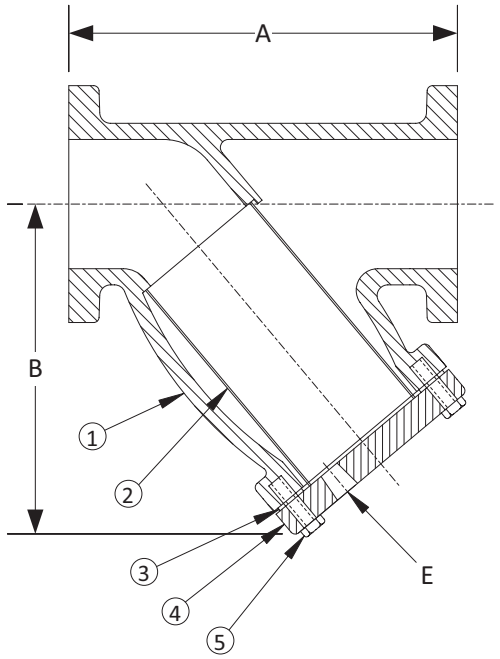
TECHNICAL DATA
DIMENSIONS AND WEIGHTS



Style BA

Y-Strainer, Class 150 & 300 FF 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 PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 6	125 to 150	1/8	3.2	43%	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					
		Class 150		Class 300		Class 150 & 300		Class 150 & 300		Class 150		Class 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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.24.

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

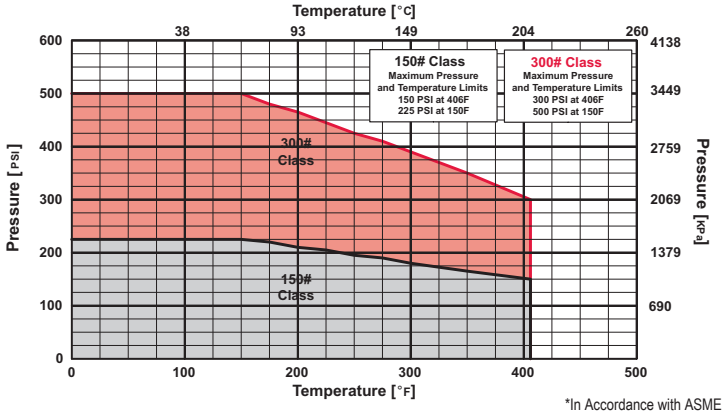
TOTAL SCREEN AREA

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

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



*In Accordance with ASME B16.24

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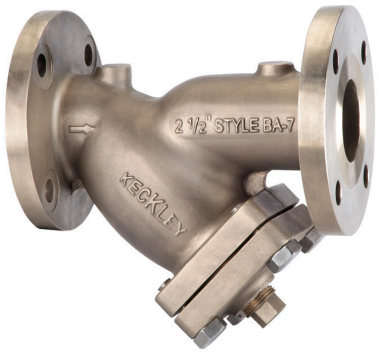
Style BA7

Y-Strainer

Nickel Aluminum Bronze
(ASTM B 148, C95800)

Class 150 & 300 FF 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 BA7 strainers are constructed from rugged nickel aluminum bronze castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.24. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style BA7 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 BA7 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
CLASS 150	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**
CLASS 300	STEAM	360 PSI @ 500ºF	2482 KPa @ 260ºC
	W.O.G.	515 PSI @ 100ºF	3551 KPa @ 38ºC

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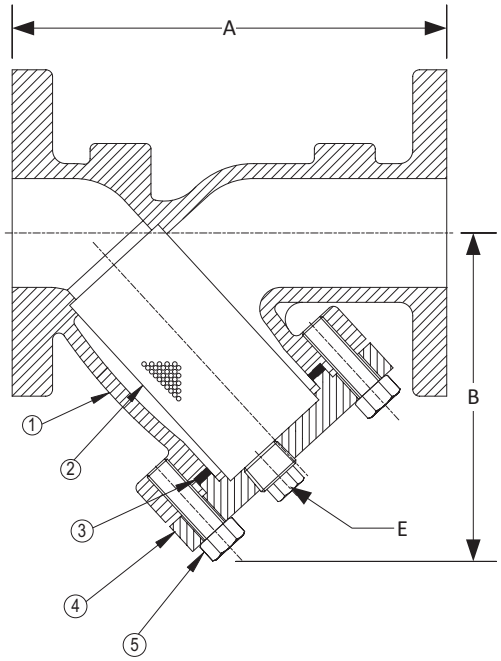
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style BA7

Y-Strainer, Class 150 & 300 FF 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	15 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.24.

TOTAL SCREEN AREA

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

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Style SB7

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
Class 600 NPT
Class 600 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 SB7 strainers are constructed from rugged carbon steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SB7 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 SB7 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 *liquid* 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
CLASS 600	STEAM	600 PSI @ 838ºF	4138 KPa @ 448ºC
	W.O.G.	1480 PSI @ 100ºF	10208 KPa @ 38ºC

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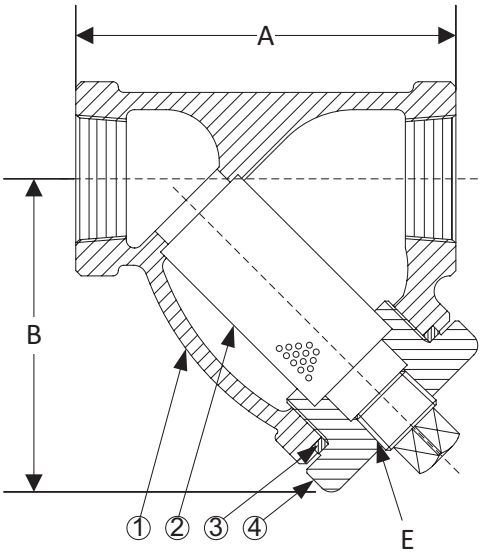
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SB7

Y-Strainer, Class 600 NPT & 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/4 to 3	8 to 80	1/16"	1.6	30%	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		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	2	0.76
3/8	10	2-15/16	75	2-7/16	62	0.690	18	3/8	10	1/4	8	2	0.76
1/2	15	2-15/16	75	2-7/16	62	0.855	22	3/8	10	1/4	8	2	0.76
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	3	1.21
1	22	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	2.33
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	7	3.02
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	9	3.98
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	15	6.80
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	34	15.03
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	36	15.97

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.34 and socket weld strainers have a tolerance in compliance with ASME B16.11.

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		

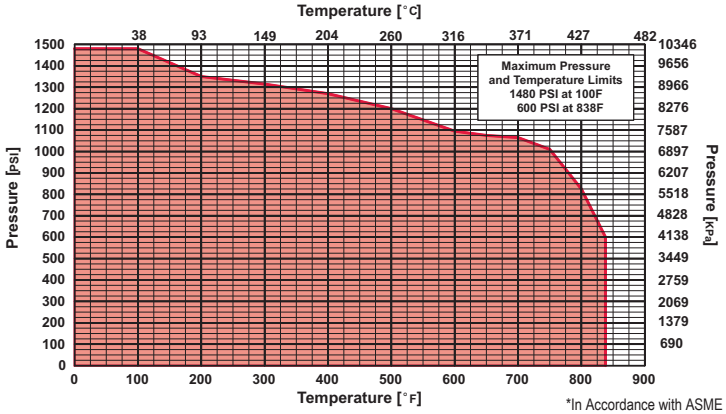
TOTAL SCREEN AREA

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

Class 600 NPT & Socket Weld Carbon Steel (ASTM A 216, Grade WCB)



*In Accordance with ASME B16.34

KECKLEY

Style SB7BC

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
Class 600 NPT Bolted Cover
Class 600 Socket Weld Bolted Cover

Cast Carbon Steel Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SB7BC strainers are constructed from rugged carbon steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SB7BC 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 SB7BC 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 *liquid* 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
CLASS 600	STEAM	600 PSI @ 838ºF	4138 KPa @ 448ºC
	W.O.G.	1480 PSI @ 100ºF	10208 KPa @ 38ºC

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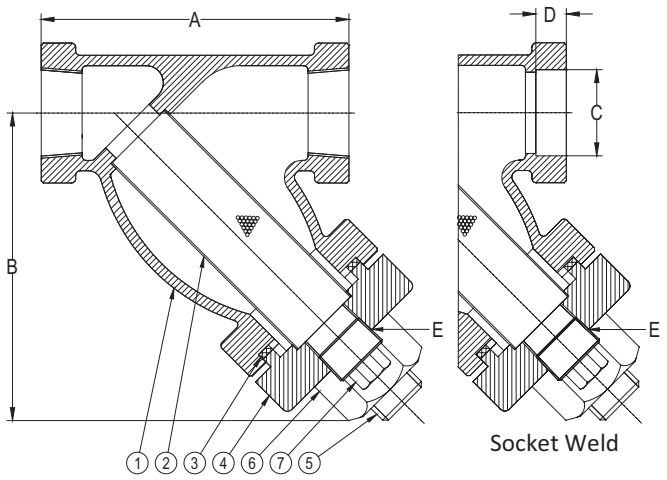
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

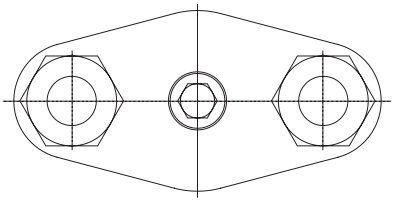
Style SB7BC

Y-Strainer, Class 600 NPT & Socket Weld
Bolted Cover
Carbon Steel (ASTM A 216, Grade WCB)



Threaded

Socket Weld



Bolted Cover View

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 PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
1/4 to 3	8 to 80	1/16	1.6	30%	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		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	1.14
3/8	10	3	76	2-1/2	63	0.690	18	3/8	10	1/4	8	3	1.14
1/2	15	3-7/8	99	3-1/4	83	0.855	22	3/8	10	1/4	8	3	1.14
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	3	1.32
1	22	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	6	2.33
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	10	4.30
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	12	5.43
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	18	7.74
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	49	22.00
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	49	22.00

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.34 and socket weld strainers have a tolerance in compliance with ASME B16.11.

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		

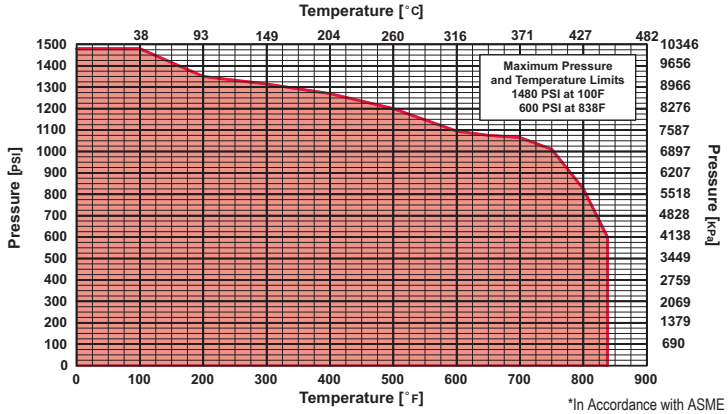
TOTAL SCREEN AREA

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

Class 600 NPT & 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)
Class 1500 NPT
Class 1500 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 strainers are constructed from rugged carbon steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SB strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for both high pressure and high temperature service. The cover is not supplied with a blow-off hole.

SCREENS

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

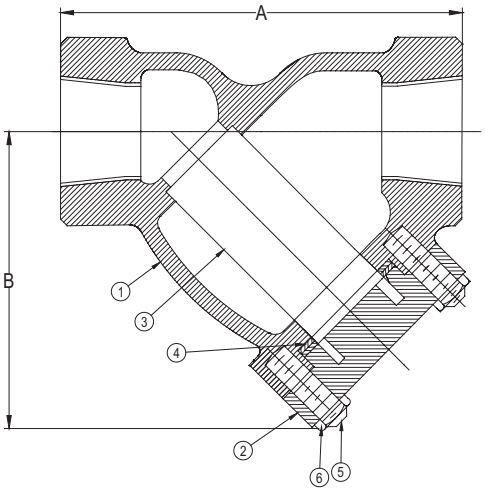
NOM. RATING	MEDIA	1/2" to 3"	15 mm to 80 mm
CLASS 1500	STEAM	1500 PSI @ 838ºF	10346 KPa @ 448ºC
	W.O.G.	3705 PSI @ 100ºF	25553 KPa @ 38ºC

KECKLEY

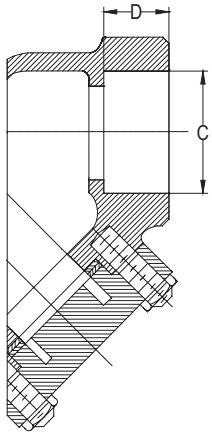
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SB

Y-Strainer, Class 1500 NPT & 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	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 PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
1/2 to 3	15 to 80	1/16	1.6	30%	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		C		D			
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76.2	0.855	22	3/8	10	10	5
3/4	20	4-5/16	109.5	3-3/4	95.3	1.065	27	1/2	13	12	5
1	25	6	152.4	5-3/4	146	1.330	34	1/2	13	15	7
1-1/4	32	8-1/4	209.5	5-1/2	139.7	1.675	43	1/2	13	22	10
1-1/2	40	8-1/4	209.5	5-1/2	139.7	1.915	49	1/2	13	22	10
2	50	9-5/16	236.2	9-1/4	235	2.406	61	5/8	16	30	14
2-1/2	65	12	304.8	10-1/2	266.7	2.906	74	5/8	16	50	23
3	80	12	304.8	10-1/2	266.7	3.535	90	5/8	16	50	23

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.34 and socket weld strainers have a tolerance in compliance with ASME B16.11.

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		

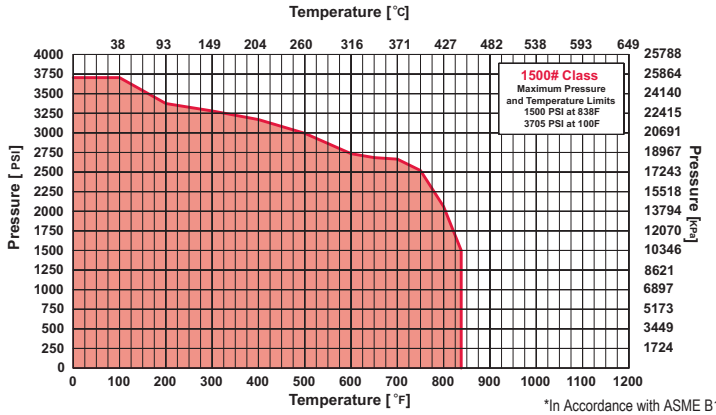
TOTAL SCREEN AREA

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

Class 1500 NPT & Socket Weld Carbon Steel (ASTM A 216, Grade WCB)



*In Accordance with ASME B16.34

KECKLEY

Style SA7

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
Class 150 & 300 RF 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 SA7 strainers are constructed from rugged carbon steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style SA7 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 SA7 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 *liquid* 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

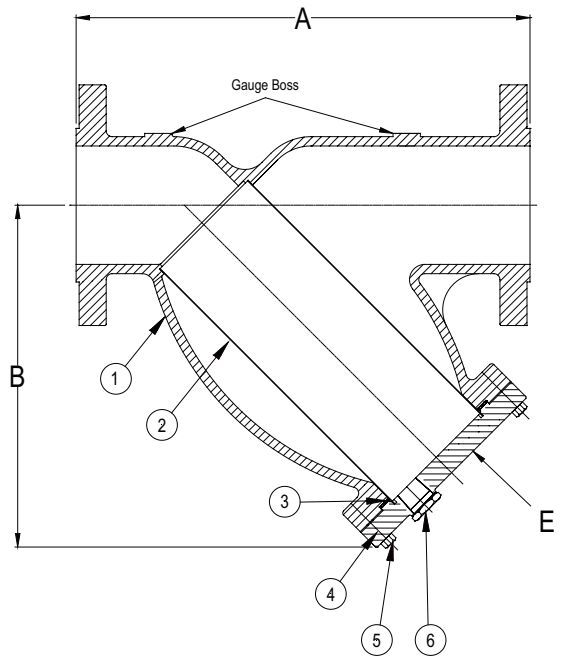
NOM. RATING	MEDIA	1/2" to 14"	15 mm to 350 mm
CLASS 150	STEAM	150 PSI @ 565ºF	1035 KPa @ 296ºC
	W.O.G.	285 PSI @ 100ºF	1966 KPa @ 38ºC
NOM. RATING	**MEDIA**	**1/2" to 14"**	**15 mm to 350 mm**
CLASS 300	STEAM	300 PSI @ 838ºF	2069 KPa @ 448ºC
	W.O.G.	740 PSI @ 100ºF	5104 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SA7

Y-Strainer, Class 150 & 300 RF 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	15 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12 & 14	300 & 350	1/8	3.2	43%	1/16	1.6	30%

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					
		Class 150		Class 300		Class 150		Class 300		Class 150 & 300		Class 150		Class 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	3.02	8	3.45
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	10	4.46	13	5.68
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	10	4.28	13	5.59
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	13	5.86	21	9.28
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6.20	21	9.37
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	23	10.15	27	11.83
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	36	16.16	41	18.53
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	40	17.76	56	25.06
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	61	27.26	95	42.83
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	101	45.58	189	85.72
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	134	60.72	189	85.57
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	224	101.30	320	144.91
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	326	147.49	481	218.01
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	622	282.08	839	380.12
14	350	34-1/2	876	36	914	25	635	25	635	2	50	791	358.62	1017	460.96

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.5.

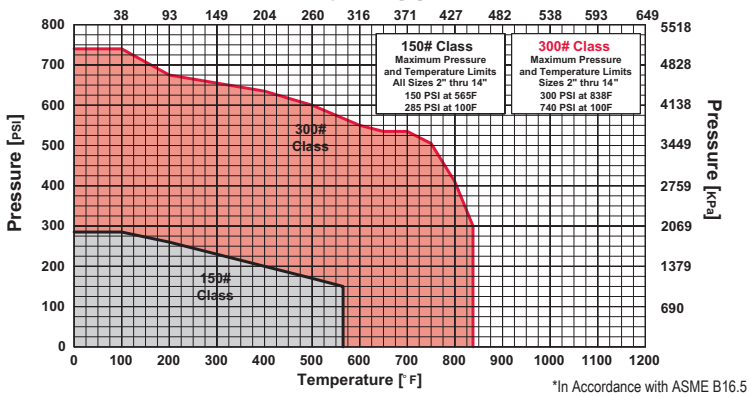
TOTAL SCREEN AREA

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

Class 150 & 300 RF 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)
Class 600 RF Flanged

Cast Carbon Steel Y-Strainer

APPLICATIONS

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

CONSTRUCTION

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

FEATURES

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

Blind covers are available upon request.

SCREENS

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

SELF CLEANING

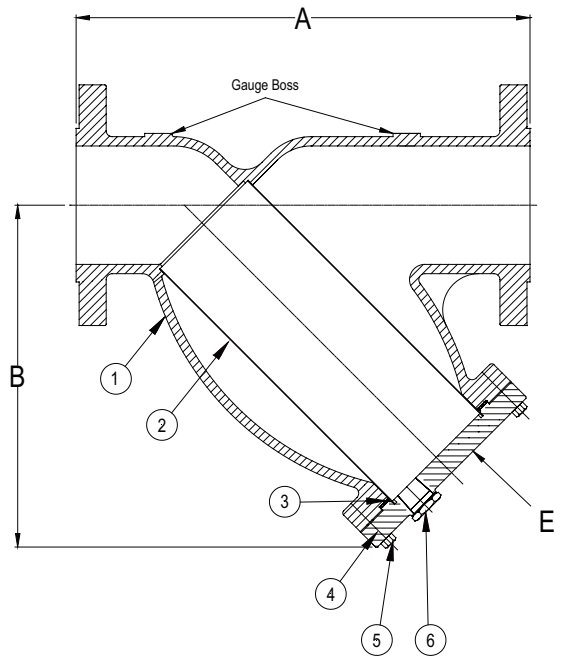
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
CLASS 600	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, Class 600 RF 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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

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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.5.

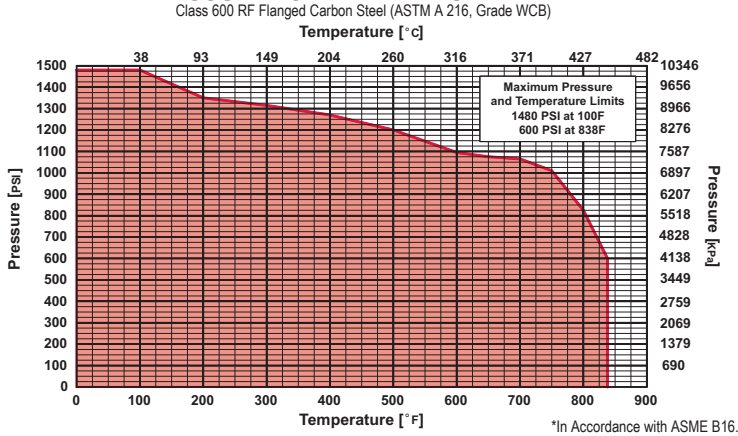
TOTAL SCREEN AREA

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

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



*In Accordance with ASME B16.5

KECKLEY

Style SA7

Y-Strainer
Carbon Steel (ASTM A 216, Grade WCB)
Class 150 & 300 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 SA7 strainers are constructed from rugged carbon steel castings and are machined to exacting specifications.

Style SA7 butt weld connections will be machined to match schedule 40 pipe.

FEATURES

The Keckley Style SA7 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 SA7 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 *liquid* will be supplied.

SELF CLEANING

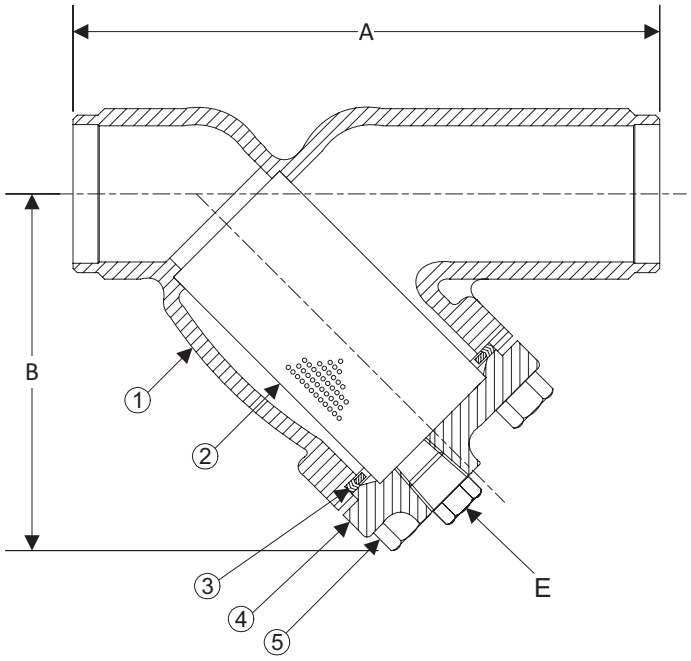
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
CLASS 150	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**
CLASS 300	STEAM	300 PSI @ 838ºF	2069 KPa @ 448ºC
	W.O.G.	740 PSI @ 100ºF	5104 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS



Style SA7

Y-Strainer, Class 150 & 300 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	15 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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					
		Class 150		Class 300		Class 150		Class 300		Class 150 & 300		Class 150		Class 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	6	2.72	6	2.72
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	8	3.63	10	4.53
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	8	3.63	10	4.53
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	10	4.53	15	6.80
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	11	4.99	15	6.80
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	14	5.93	16	6.92
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	19	8.56	23	10.06
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	21	9.46	50	22.65
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	37	16.77	57	25.80
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	84	37.85	145	65.36
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	104	46.87	145	65.36
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	149	67.51	247	111.80
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	261	118.25	346	156.52
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	452	204.68	575	260.58

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.10.

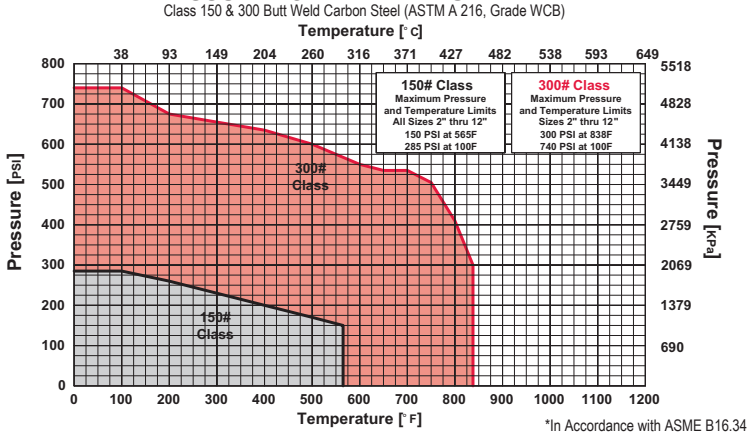
TOTAL SCREEN AREA

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

Class 150 & 300 Butt Weld 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)
Class 600 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 strainers are constructed from rugged carbon steel castings and are machined to exacting specifications.

Style SA Class 600 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 *liquid* will be supplied.

SELF CLEANING

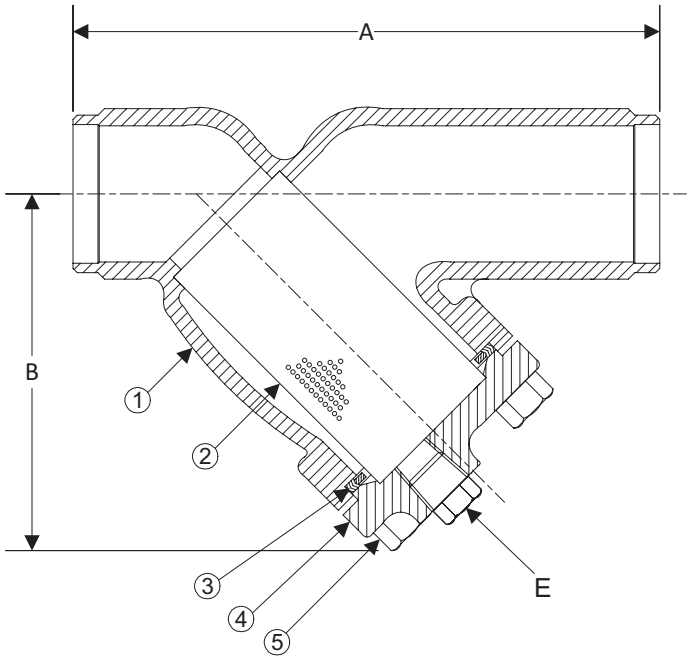
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
CLASS 600	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, Class 600 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	9	4.08
3/4	20	8-3/8	213	3-3/4	95	1/2	15	11	4.99
1	25	8-3/8	213	3-3/4	95	1/2	15	11	4.99
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	13	5.89
1-1/2	40	10-1/4	360	5-1/2	140	1/2	15	13	5.89
2	50	11	279	7	178	1/2	15	15	6.80
2-1/2	65	12	305	8-1/4	210	1	25	30	13.60
3	80	13-1/2	343	9-1/4	235	1	25	33	14.97
4	100	18	457	12-1/2	318	1-1/2	40	77	34.93
6	150	25-5/8	651	20	508	2	50	217	98.43
8	200	31-3/4	806	24	610	2	50	386	175.09
10	250	37-3/4	959	28-1/2	724	2	50	668	303.00
12	300	45-1/2	1156	34-1/2	876	2	50	831	376.94

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.10.

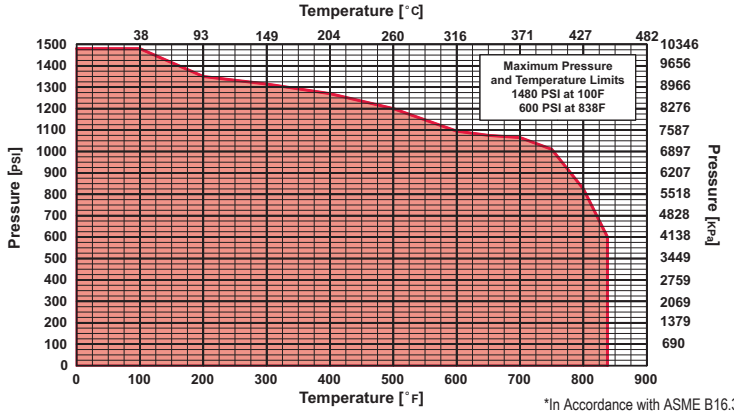
TOTAL SCREEN AREA

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

Class 600 Butt Weld Carbon Steel (ASTM A 216, Grade WCB)



*In Accordance with ASME B16.34

KECKLEY

Style SSB7

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
Class 600 NPT
Class 600 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 SSB7 strainers are constructed from rugged 316 stainless steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SSB7 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 SSB7 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 *liquid* 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

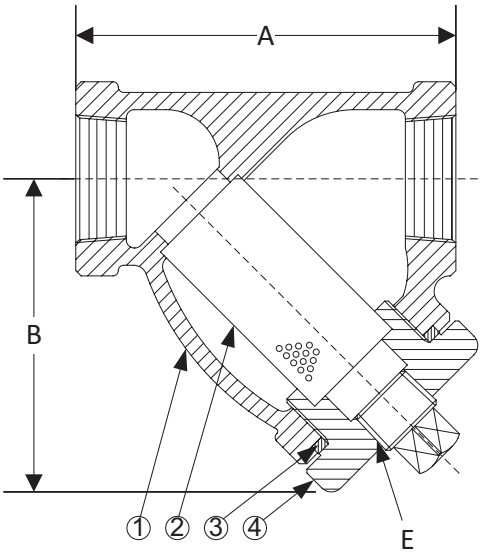
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
CLASS 600	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

KECKLEY

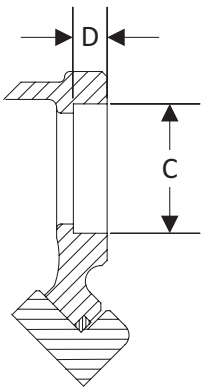
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSB7

Y-Strainer, Class 600 NPT & 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/4 to 3	8 to 80	1/16	1.6	30%	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		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	2	0.76
3/8	10	2-15/16	75	2-7/16	62	0.690	18	3/8	10	1/4	8	2	0.76
1/2	15	2-15/16	75	2-7/16	62	0.855	22	3/8	10	1/4	8	2	0.76
3/4	20	3-11/16	94	3	76	1.065	27	1/2	13	3/8	10	3	1.21
1	22	4-9/16	116	4-5/16	110	1.330	34	1/2	13	3/8	10	6	2.33
1-1/4	32	4-15/16	125	4-3/16	106	1.675	43	1/2	13	3/4	20	7	3.02
1-1/2	40	5-9/16	141	4-11/16	119	1.915	49	1/2	13	3/4	20	9	3.98
2	50	6-15/16	176	6-1/4	159	2.406	61	5/8	16	1	25	15	6.80
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	34	15.03
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	36	15.97

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.34 and socket weld strainers have a tolerance in compliance with ASME B16.11.

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		

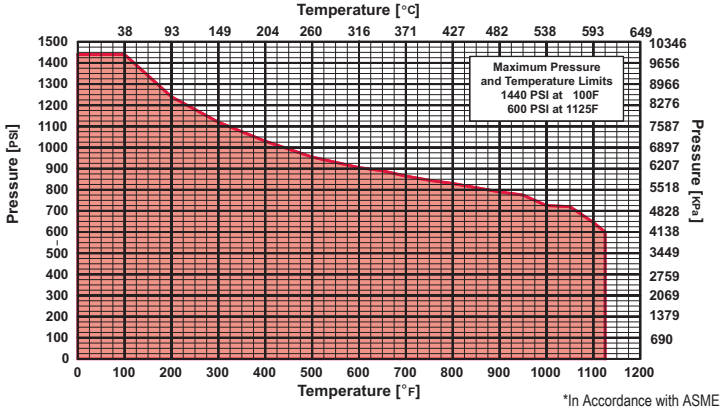
TOTAL SCREEN AREA

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

Class 600 NPT & Socket Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

KECKLEY

Style SSB7BC

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
Class 600 NPT Bolted Cover
Class 600 Socket Weld Bolted Cover

Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SSB7BC strainers are constructed from rugged 316 stainless steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SSB7BC 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 SSB7BC 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 *liquid* 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

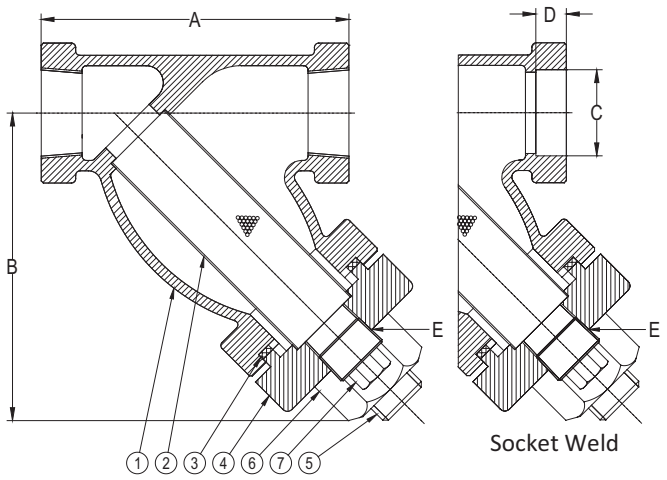
NOM. RATING	MEDIA	1/4" to 3"	8 mm to 80 mm
CLASS 600	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

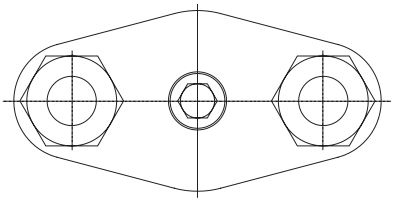
Style SSB7BC

Y-Strainer, Class 600 NPT & Socket Weld
Bolted Cover
Stainless Steel (ASTM A 351, Grade CF8M)



Threaded

Socket Weld



Bolted Cover View

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 PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
1/4 to 3	8 to 80	1/16	1.6	30%	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		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	1.14
3/8	10	3	76	2-1/2	63	0.690	18	3/8	10	1/4	8	3	1.14
1/2	15	3-7/8	99	3-1/4	83	0.855	22	3/8	10	1/4	8	3	1.14
3/4	20	4-1/4	108	4-1/4	108	1.065	27	1/2	13	3/8	10	3	1.32
1	22	4-15/16	125	4-5/8	117	1.330	34	1/2	13	1/2	15	6	2.33
1-1/4	32	5-5/8	143	5-1/2	140	1.675	43	1/2	13	3/4	20	10	4.30
1-1/2	40	6-1/4	159	6-1/4	159	1.915	49	1/2	13	3/4	20	12	5.43
2	50	7-1/2	191	7-1/4	184	2.406	61	5/8	16	1	25	18	7.74
2-1/2	65	12	305	9-3/8	238	2.906	74	5/8	16	1-1/4	32	49	22.00
3	80	12	305	9-3/8	238	3.535	90	5/8	16	1-1/4	32	49	22.00

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.34 and socket weld strainers have a tolerance in compliance with ASME B16.11.

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		

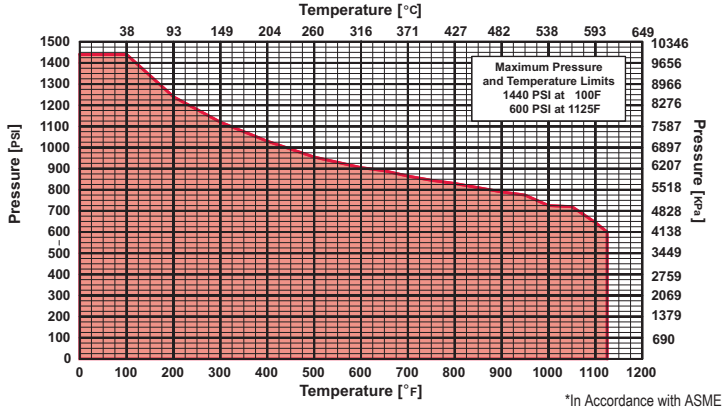
TOTAL SCREEN AREA

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

Class 600 NPT & 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)
Class 1500 NPT
Class 1500 Socket Weld

Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SSB strainers are constructed from rugged 316 stainless steel castings that are machined to exacting specifications.

Socket Weld bore is in compliance with ASME B16.11 unless otherwise specified.

FEATURES

The Keckley Style SSB strainer features a machined groove in the body and cap for proper alignment and to ensure accurate reseating when servicing is required. The gasket is 304 stainless steel spiral wound and is compressed between the body and cover (for maximum strength and durability) and designed for both high pressure and high temperature service. The cover is not supplied with a blow-off hole.

SCREENS

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

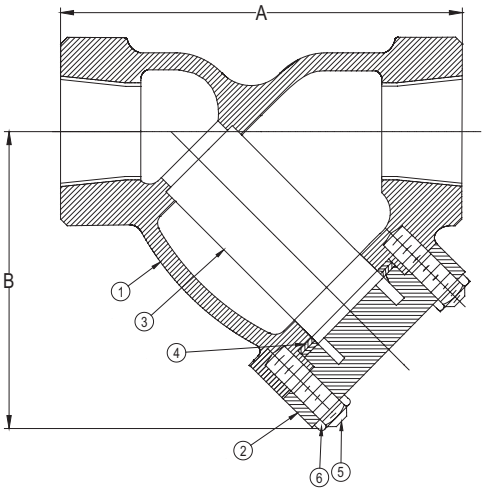
NOM. RATING	MEDIA	1/2" to 3"	15 mm to 80 mm
CLASS 1500	STEAM	1500 PSI @ 1125ºF	10346 KPa @ 607ºC
	W.O.G.	3600 PSI @ 100ºF	24829 KPa @ 38ºC

KECKLEY

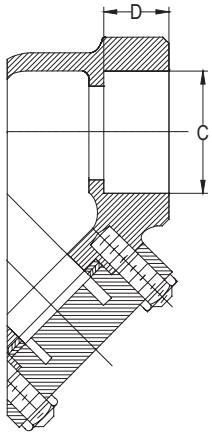
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSB

Y-Strainer, Class 1500 NPT & 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	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 PERFORATION					
		FOR LIQUID		OPEN AREA	FOR STEAM		OPEN AREA
in	mm	in	mm		in	mm	
1/2 to 3	15 to 80	1/16	1.6	30%	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		C		D			
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	3-15/16	100	3	76.2	0.855	22	3/8	10	10	5
3/4	20	4-5/16	109.5	3-3/4	95.3	1.065	27	1/2	13	12	5
1	25	6	152.4	5-3/4	146	1.330	34	1/2	13	15	7
1-1/4	32	8-1/4	209.6	5-1/2	139.7	1.675	43	1/2	13	22	10
1-1/2	40	8-1/4	209.6	5-1/2	139.7	1.915	49	1/2	13	22	10
2	50	9-5/16	236.2	9-1/4	235	2.406	61	5/8	16	30	14
2-1/2	65	12	304.8	10-1/2	266.7	2.906	74	5/8	16	50	23
3	80	12	304.8	10-1/2	266.7	3.535	90	5/8	16	50	23

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values for threaded strainers have a tolerance in compliance with ASME B16.34 and socket weld strainers have a tolerance in compliance with ASME B16.11.

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		

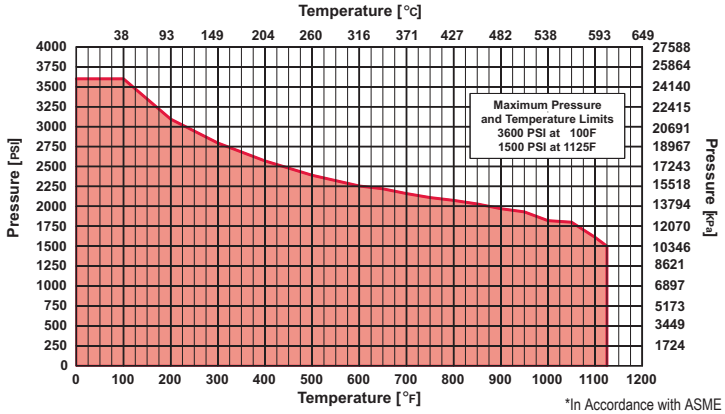
TOTAL SCREEN AREA

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

Class 1500 NPT & Socket Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

KECKLEY

Style SSA7

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
Class 150 & 300 RF 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 SSA7 strainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

The Keckley Style SSA7 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 SSA7 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 *liquid* 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
CLASS 150	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**
CLASS 300	STEAM	300 PSI @ 1125ºF	2069 KPa @ 607ºC
	W.O.G.	720 PSI @ 100ºF	4966 KPa @ 38ºC

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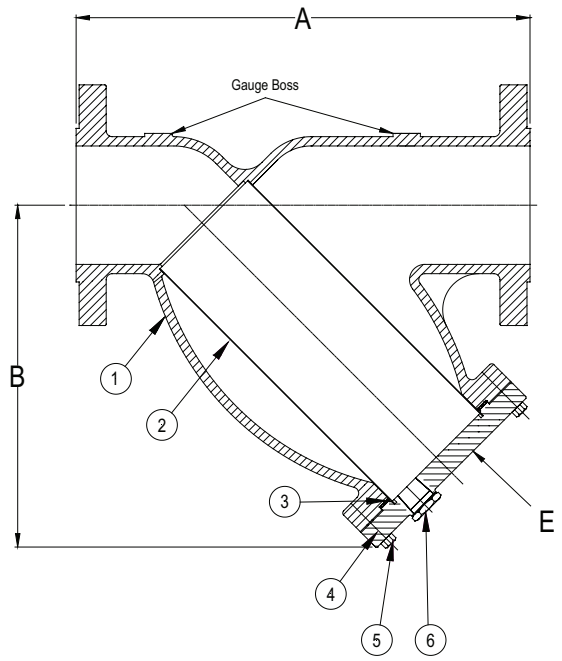
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSA7

Y-Strainer, Class 150 & 300 RF 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	15 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12 & 14	300 & 350	1/8	3.2	43%	1/16	1.6	30%

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					
		Class 150		Class 300		Class 150		Class 300		Class 150 & 300		Class 150		Class 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	3.02	8	3.45
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	10	4.46	13	5.68
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	10	4.28	13	5.59
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	13	5.86	21	9.28
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	14	6.20	21	9.37
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	23	10.15	27	11.83
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	36	16.16	41	18.53
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	40	17.76	56	25.06
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	61	27.26	95	42.83
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	101	45.58	189	85.72
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	134	60.72	189	85.57
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	224	101.30	320	144.91
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	326	147.49	481	218.01
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	622	282.08	839	380.12
14	350	34-1/2	876	36	914	25	635	25	635	2	50	791	358.62	1017	460.96

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.5.

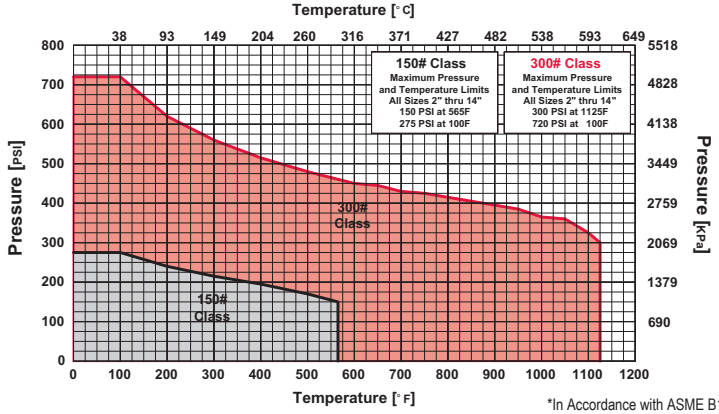
TOTAL SCREEN AREA

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

Class 150 & 300 RF Flanged Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.5

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Style SSA

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
Class 600 RF Flanged

Cast 316 Stainless Steel Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style SSA strainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications. These bodies have drilled flanges that are in accordance with ASME B16.5. All flanges come standard with back-faced bolt holes.

FEATURES

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

Blind covers are available upon request.

SCREENS

Standard perforated 304 stainless steel screens are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel, monel, and brass to meet specific media requirements. If media is not indicated, screens for *liquid* 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
CLASS 600	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

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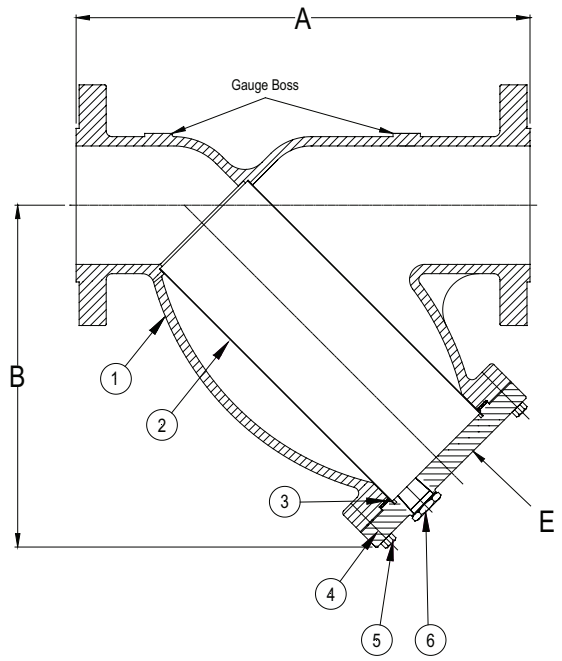
TECHNICAL DATA
DIMENSIONS AND WEIGHTS



Style SSA

Y-Strainer, Class 600 RF 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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

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

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.5.

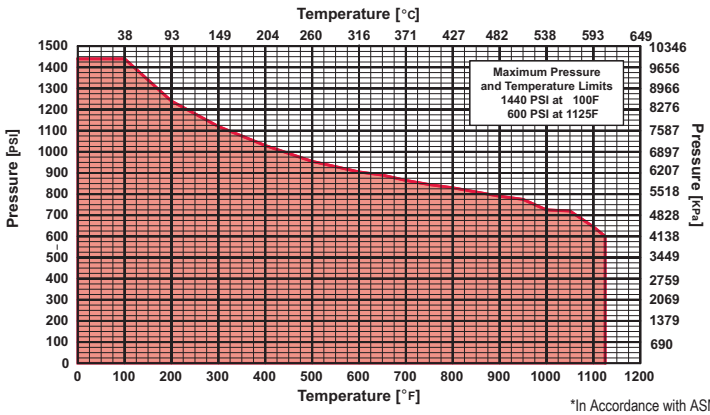
TOTAL SCREEN AREA

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

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



*In Accordance with ASME B16.5

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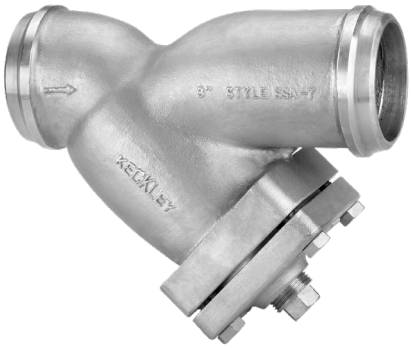
Style SSA7

Y-Strainer
Stainless Steel (ASTM A 351, Grade CF8M)
Class 150 & 300 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 SSA7 strainers are constructed from rugged 316 stainless steel castings and are machined to exacting specifications.

Style SSA7 butt weld connections will be machined to match schedule 40 pipe.

FEATURES

The Keckley Style SSA7 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 SSA7 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 *liquid* will be supplied.

SELF CLEANING

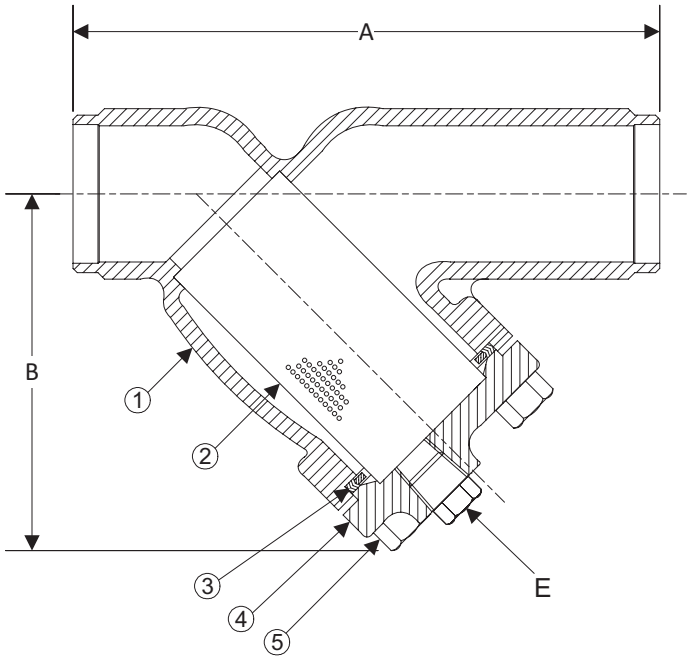
Self cleaning is accomplished by opening the valve or drain plug connected to the blow-off port. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES - NON SHOCK

NOM. RATING	MEDIA	1/2" to 12"	15 mm to 300 mm
CLASS 150	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**
CLASS 300	STEAM	300 PSI @ 1125ºF	2069 KPa @ 607ºC
	W.O.G.	720 PSI @ 100ºF	4977 KPa @ 38ºC

KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS



Style SSA7

Y-Strainer, Class 150 & 300 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	15 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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					
		Class 150		Class 300		Class 150		Class 300		Class 150 & 300		Class 150		Class 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	6	2.72	6	2.72
3/4	20	7-3/8	187	7-3/4	197	4-1/4	108	4-1/4	108	1/2	15	8	3.63	10	4.53
1	25	7-3/8	187	7-7/8	200	4-1/4	108	4-1/4	108	1/2	15	8	3.63	10	4.53
1-1/4	32	7	178	8-1/8	206	5-1/8	130	5-1/8	130	1/2	15	10	4.53	15	6.80
1-1/2	40	7-1/8	181	8-1/4	210	5-1/8	130	5-1/8	130	1/2	15	11	4.99	15	6.80
2	50	7-7/8	200	9-1/2	241	6	152	6	152	1/2	15	14	5.93	16	6.92
2-1/2	65	9-3/4	248	10-3/8	264	7	178	7	178	1	25	19	8.56	23	10.06
3	80	10-1/16	256	12	305	7-7/16	189	7-5/16	186	1	25	21	9.46	50	22.65
4	100	12-1/8	308	14-1/2	368	8-15/16	227	8-15/16	227	1-1/2	40	37	16.77	57	25.80
5	125	15-1/2	394	19-5/16	491	13-1/32	331	13-1/32	331	2	50	84	37.85	145	65.36
6	150	18-1/2	470	19-5/16	491	13-1/4	337	13-1/4	337	2	50	104	46.87	145	65.36
8	200	21-3/8	543	23-3/8	594	15-1/2	394	15-1/2	394	2	50	149	67.51	247	111.80
10	250	26	660	27-3/8	695	18-7/16	468	18-7/16	468	2	50	261	118.25	346	156.52
12	300	29-7/8	759	32	813	21-5/8	549	21-5/8	549	2	50	452	204.68	575	260.58

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.10.

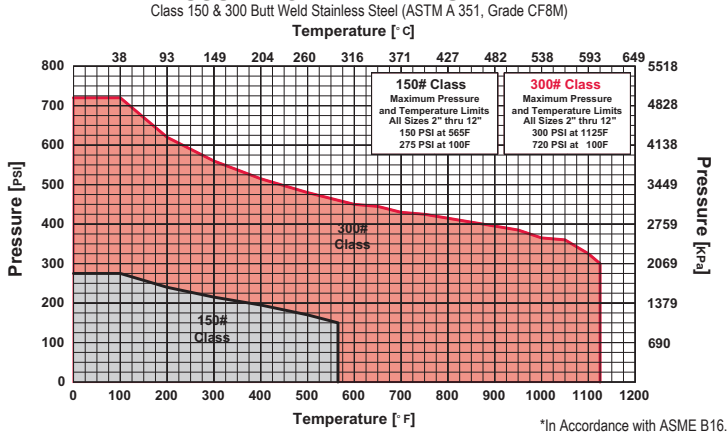
TOTAL SCREEN AREA

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

Class 150 & 300 Butt Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

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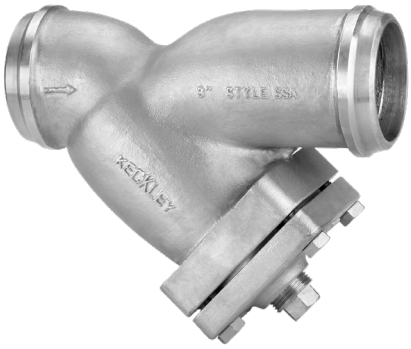
Style SSA

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

Style SSA Class 600 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 *liquid* 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
CLASS 600	STEAM	600 PSI @ 1125ºF	4138 KPa @ 607ºC
	W.O.G.	1440 PSI @ 100ºF	9932 KPa @ 38ºC

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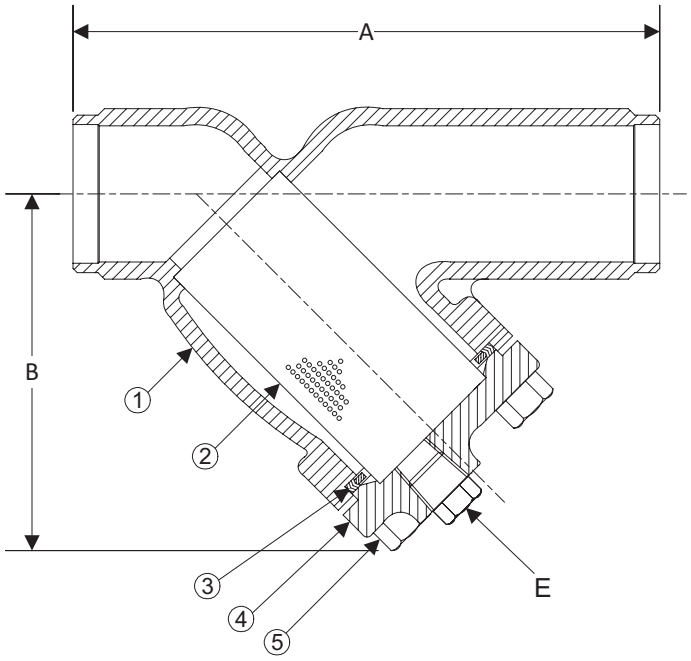
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style SSA

Y-Strainer, Class 600 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 PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
1/2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%

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

SIZE		DIMENSIONS						WEIGHTS	
		A		B		E			
in	mm	in	mm	in	mm	in	mm	lbs	kgs
1/2	15	6-5/8	168	3-1/2	89	3/8	10	9	4.08
3/4	20	8-3/8	213	3-3/4	95	1/2	15	11	4.99
1	25	8-3/8	213	3-3/4	95	1/2	15	11	4.99
1-1/4	32	10-1/8	257	5-1/2	140	1/2	15	13	5.89
1-1/2	40	10-1/4	360	5-1/2	140	1/2	15	13	5.89
2	50	11	279	7	178	1/2	15	15	6.80
2-1/2	65	12	305	8-1/4	210	1	25	30	13.60
3	80	13-1/2	343	9-1/4	235	1	25	33	14.97
4	100	18	457	12-1/2	318	1-1/2	40	77	34.93
6	150	25-5/8	651	20	508	2	50	217	98.43
8	200	31-3/4	806	24	610	2	50	386	175.09
10	250	37-3/4	959	28-1/2	724	2	50	668	303.00
12	300	45-1/2	1156	34-1/2	876	2	50	831	376.94

†This table reflects only the nearest metric equivalents.
Dimensions and weights are for reference only. When required, request certified drawings.
Face to face values have a tolerance in compliance with ASME B16.10.

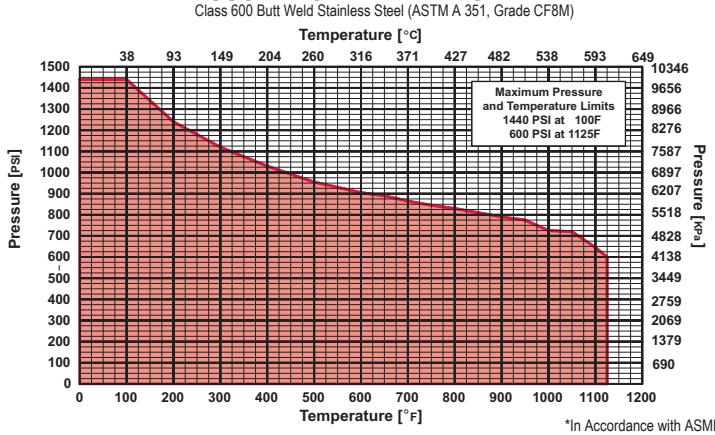
TOTAL SCREEN AREA

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

Class 600 Butt Weld Stainless Steel (ASTM A 351, Grade CF8M)



*In Accordance with ASME B16.34

KECKLEY

PRESSURE DROP CHART

NPT "Y" Pattern Strainers (Styles B, BDI, E150, F150, F300, SB, SB7, SSB and SSB7)

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.

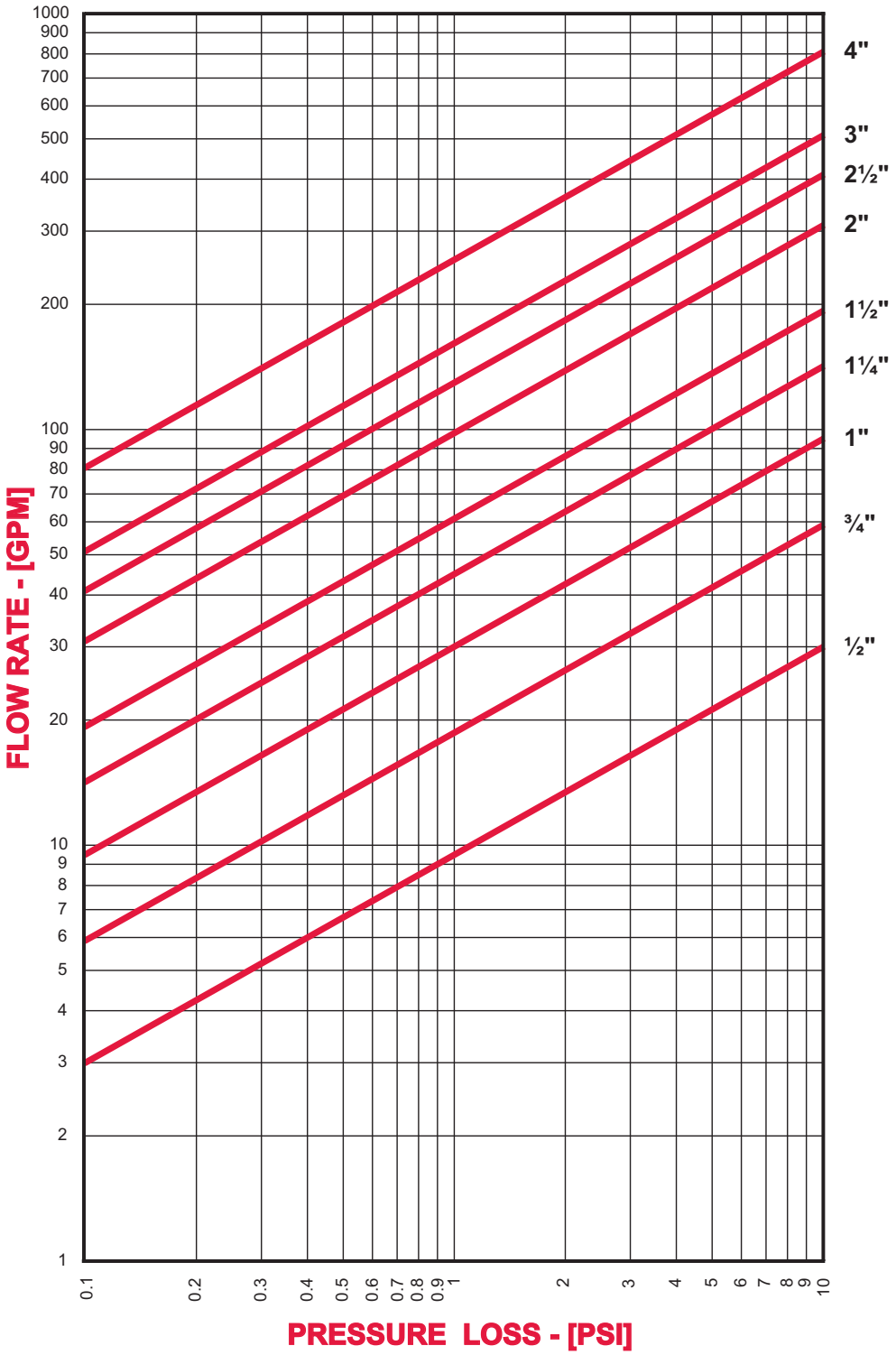
TO USE CHARTS:

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



KECKLEY

PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles A, BA, BA7, SA, SA7, SSA and SSA7)

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".

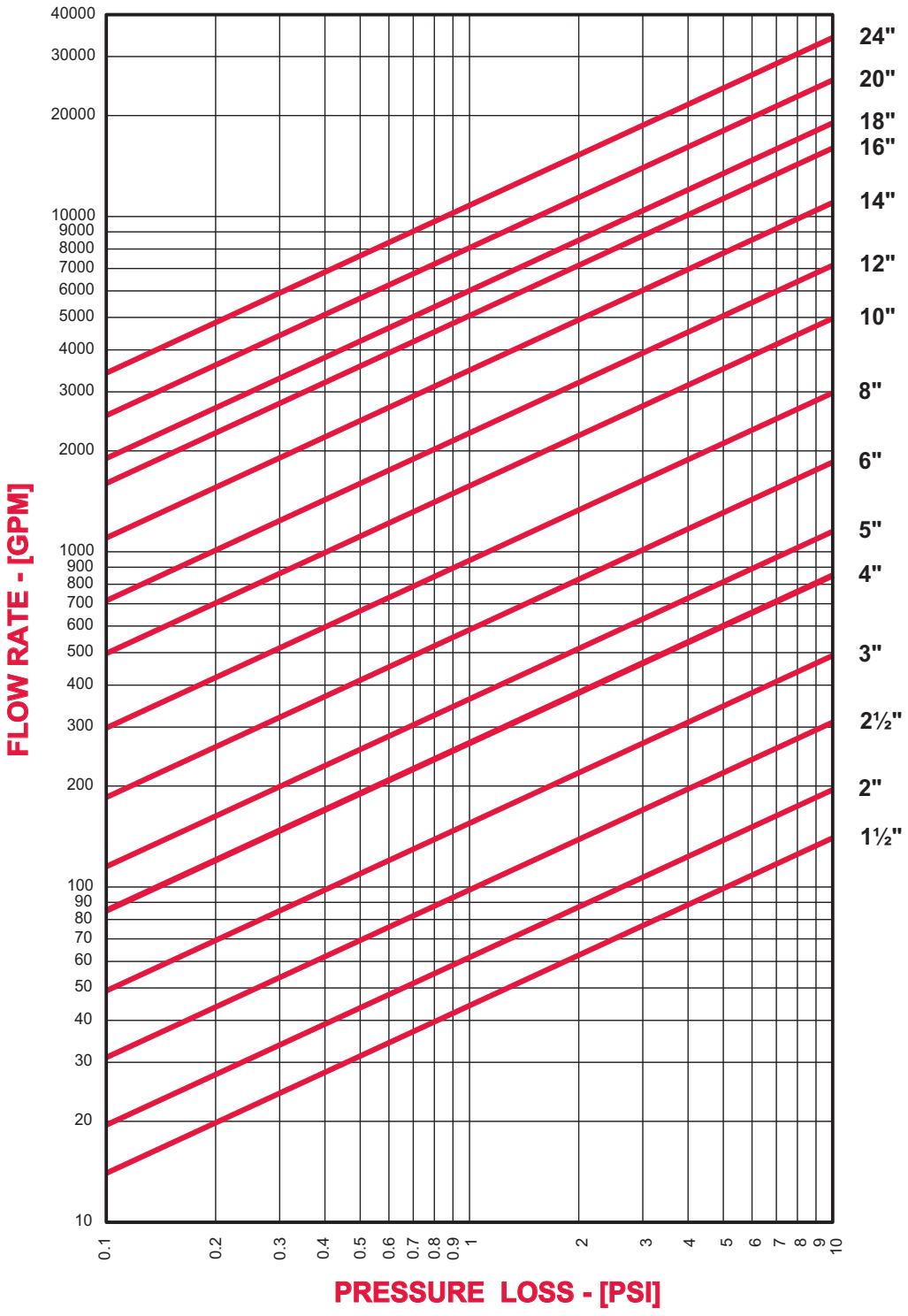
TO USE CHARTS:

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



KECKLEY

PRESSURE DROP CHART

NPT "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