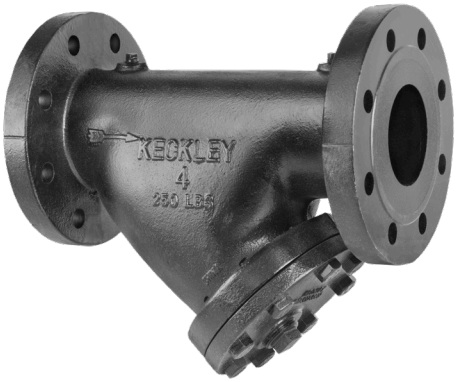
KECKLEY

Style A7

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



Cast Iron Y-Strainer

APPLICATIONS

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

CONSTRUCTION

The Keckley Style 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
250# R.F. & D. (EX. HEAVY FLANGE)	STEAM	250 PSI @ 450ºF	1724 KPa @ 232ºC
	W.O.G.	500 PSI @ 150ºF	3449 KPa @ 66ºC
	MEDIA	**14" and 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).

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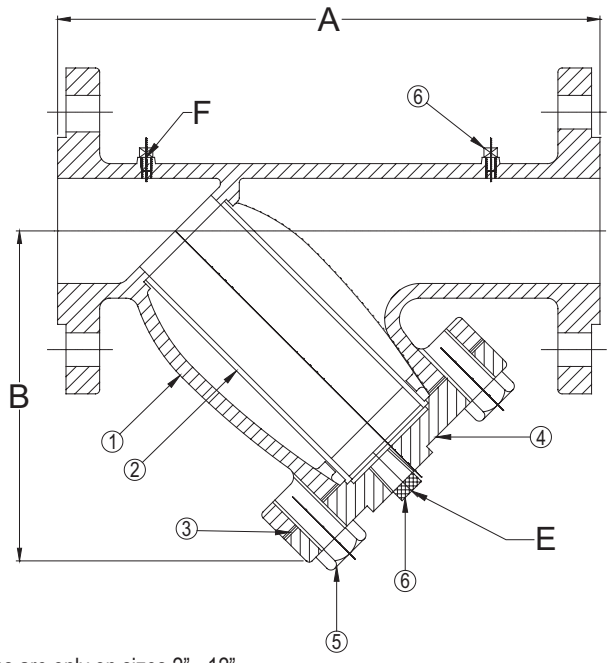
TECHNICAL DATA
DIMENSIONS AND WEIGHTS

Style A7

Y-Strainer, 250 lb. 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

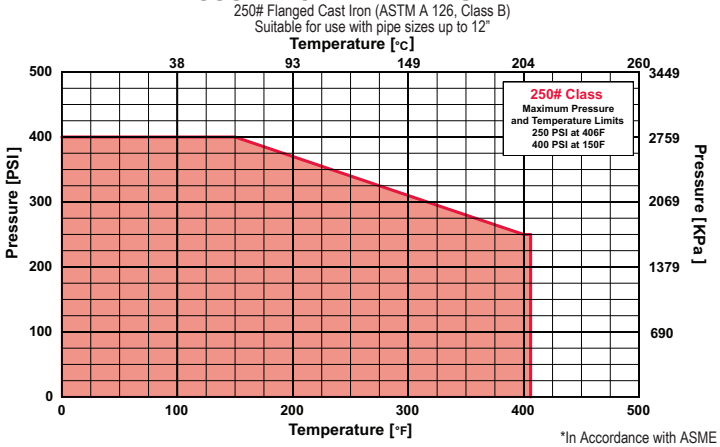
SIZE		SCREEN PERFORATION					
		FOR LIQUID		OPEN	FOR STEAM		OPEN
in	mm	in	mm	AREA	in	mm	AREA
2 to 4	50 to 100	1/16	1.6	30%	3/64	1.2	33%
5 to 10	125 to 250	1/8	3.2	43%	3/64	1.2	33%
12	300	1/8	3.2	43%	1/16	1.6	30%
14 & 16	350 & 400	1/8	3.2	43%	1/8	3.2	43%

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



*In Accordance with ASME B16.1

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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