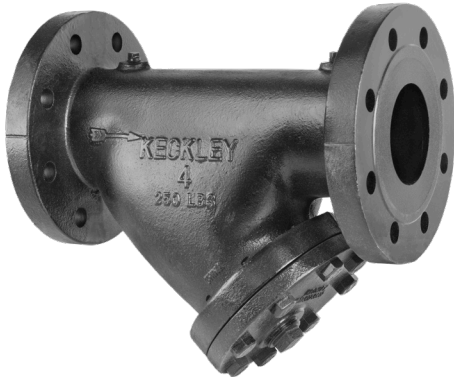


Style A7

Y-Strainer

Cast Iron (ASTM A 126, Class B)

Class 250 RF Flanged



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

Cast Iron Y-Strainer (Lead Free*)

APPLICATIONS

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 1/4" NPT DP taps.

SCREENS

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

SELF CLEANING

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

WORKING PRESSURES - NON SHOCK

NOM. RATING	2" to 12"	50 mm to 300 mm
CLASS 250	500 PSI @ 150°F	3449 KPa @ 66°C
	250 PSI @ 450°F	1724 KPa @ 232°C
	14" and 16"	350 mm and 400 mm
	300 PSI @ 150°F	2069 KPa @ 66°C
	200 PSI @ 406°F	1379 KPa @ 208°C

Values listed represent typical market and service applications. Due to numerous variables (concentrations, temperatures, and flow) present in any application, no representation or guarantee, expressed or implied, is given.

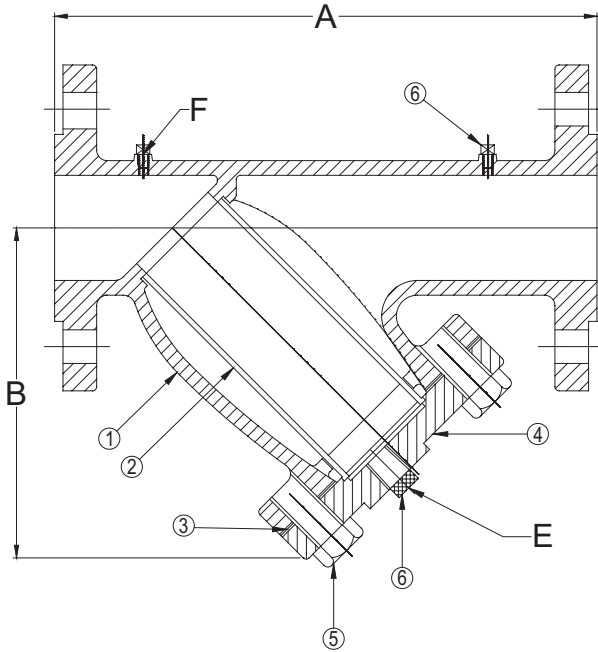
GOVERNMENT/MILITARY SPECIFICATIONS

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

Style A7

Y-Strainer, Class 250 RF Flanged

Cast Iron (ASTM A 126, Class B) Lead Free**



DP Taps are only on sizes 2" - 12".
"F" dimension is 1/4" 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

*An alternative gasket may be required for natural gas, air, and other special applications.

**The wetted surface of this product contacted by consumable 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	
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%

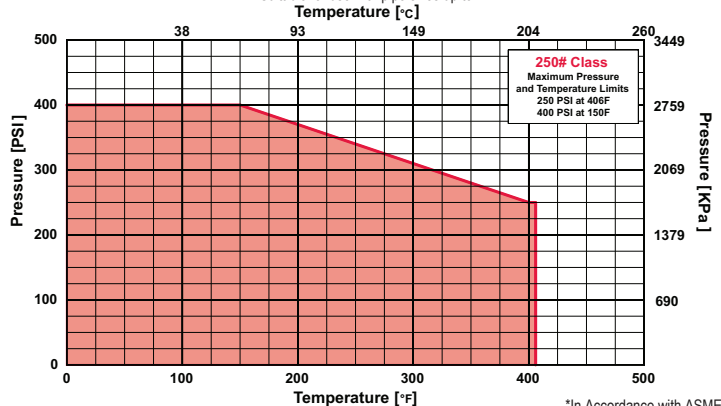
Standard screens supplied are for **liquid service**, unless otherwise specified.
Options: Other perforations, meshes, and screen materials are available.

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.



PRESSURE DROP CHART

Flanged "Y" Pattern Strainers (Styles A7, GA7, 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
150 mesh	x 1.8
200 mesh	x 2.0

