KECKLEY

Style F-150

Y-Strainer
Cast Bronze (C84400)
125 lb. Threaded

Style E-150

Y-Strainer
Cast Bronze (C84400)
125 lb. Solder Joint

Cast Bronze Y-Strainer

APPLICATIONS

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

CONSTRUCTION

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

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

FEATURES

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

SCREENS

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

SELF CLEANING

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

WORKING PRESSURES – NON SHOCK

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

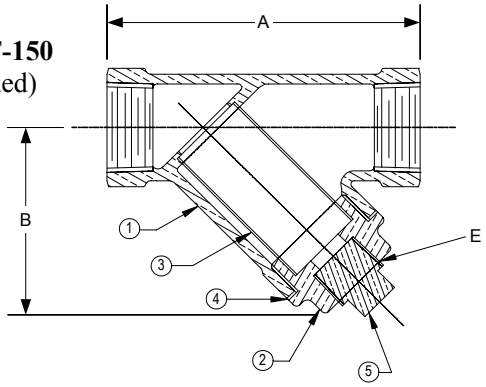
KECKLEY

TECHNICAL DATA
DIMENSIONS AND WEIGHTS

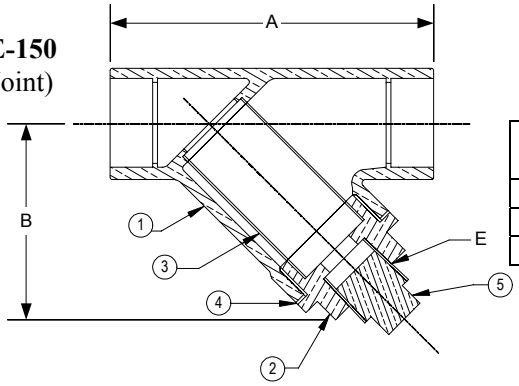
Style F-150 & E-150

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

STYLE F-150
(Threaded)



STYLE E-150
(Solder Joint)



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

STANDARD SCREENS SUPPLIED

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

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

SIZE		DIMENSIONS												WEIGHTS			
		A				B				E							
		F-150		E-150		F-150		E-150		F-150		E-150		F-150		E-150	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/4	8	2-7/16	62	3-3/8	86	1-5/8	41	2-1/4	57	1/4	8	3/8	10	0.50	0.2	.75	0.3
3/8	10	2-9/16	65	3-3/8	86	1-5/8	41	2-1/4	57	1/4	8	3/8	10	0.50	0.2	.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	.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	7-7/16	189	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	8.5	3.9
3	80	10	254	11-3/4	298	6-1/8	156	6-1/2	165	1/2	15	1/2	15	13.50	6.1	12.5	5.7

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

FLOW COEFFICIENTS

Size	C_v	Size	C_v	Size	C_v
1/2"	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		

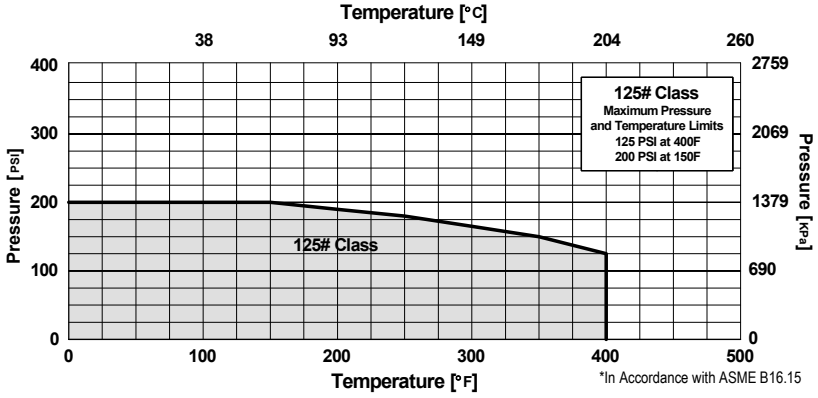
TOTAL SCREEN AREA

Size	(in²)	Size	(in²)	Size	(in²)
1/2"	3.09	1-1/4"	14.26	2-1/2"	46.98
3/4"	7.36	1-1/2"	19.94	3"	62.87
1"	9.54	2"	33.39		

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

PRESSURE vs. TEMPERATURE CHART

125# Threaded & Solder Joint Cast Bronze (C84400)



*In Accordance with ASME B16.15