

Style SD

Basket Strainer

Carbon Steel (ASTM A 216, Grade WCB)

300 lb. Threaded



Cast Carbon Steel Basket Strainer

APPLICATIONS

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

CONSTRUCTION

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

FEATURES

The Keckley threaded Style SD strainer features a machined basket seat to minimize particle bypass. The gasket is spiral wound 304 stainless steel and is compressed between the body and cover (for maximum strength and durability) and designed for high pressure and high temperature service. Keckley threaded Style SD strainers have carbon steel studs and nuts and are furnished standard with a tapped and plugged NPT drain connection.

BASKETS

Standard baskets are 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.

CLEANING

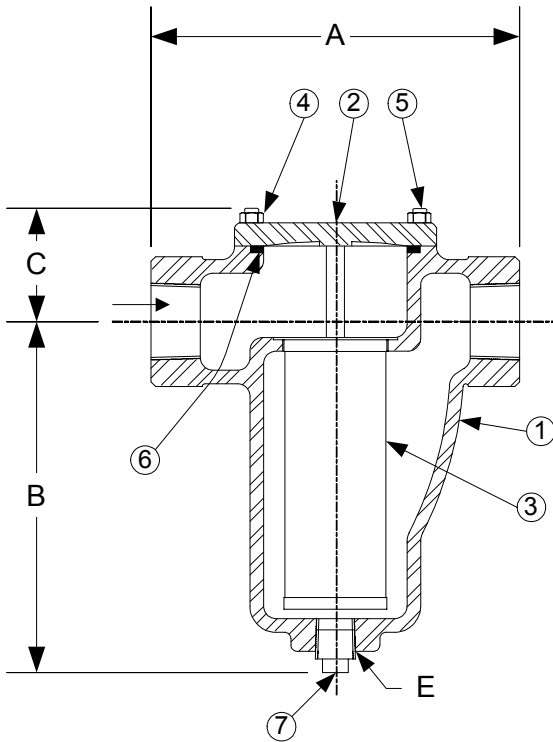
Cleaning of the Style SD strainer is accomplished by removing the cover and pulling out the basket. **Warning:** See Maintenance Instructions on page **S6** of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

WORKING PRESSURES – NON SHOCK

NOM. RATING	MEDIA	3/8" to 3"	10 mm to 80 mm
300# (THREADED)	STEAM	300 PSI @ 838°F	2069 KPa @ 448°C
	W.O.G.	740 PSI @ 100°F	5104 KPa @ 38°C

Style SD

Basket Strainer, 300 lb. Threaded
Cast Carbon Steel (ASTM A 216, Grade WCB)



PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	BODY	CAST CARBON STEEL (ASTM A 216, GRADE WCB)
2	COVER	CAST CARBON STEEL (ASTM A 216, GRADE WCB)
3	BASKET	STAINLESS STEEL (304)
4	NUTS	STEEL (ASTM A 193, GRADE B7)
5	STUDS	STEEL (ASTM A 194, GRADE 2H)
6	COVER GASKET	STAINLESS STEEL - SPIRAL WOUND (304)
7	PLUG	STEEL

STANDARD SCREENS SUPPLIED

SIZE		SCREEN GAGE	SCREEN PERFORATION					
in	mm		FOR STEAM		FOR LIQUID			
			in	mm	OPEN AREA	in	mm	OPEN AREA
3/8 to 2	10 to 50	28	1/32	.8	29%	1/16	1.6	30%
2-1/2 to 3	65 to 80	26	3/64	1.2	33%	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		C		E			
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs
3/8	10	4-9/16	116	4	102	3-1/8	79	3/8	10	6	3
1/2	15	4-9/16	116	4	102	3-1/8	79	3/8	10	6	3
3/4	20	4-9/16	116	4	102	3-1/8	79	3/8	10	6	3
1	25	5-5/16	135	4-7/8	124	3	76	3/8	10	9	4
1-1/4	32	6-5/16	160	6-1/2	165	4-1/8	105	1/2	15	14	6
1-1/2	40	6-5/16	160	6-1/2	165	4-1/8	105	1/2	15	14	6
2	50	8-1/4	210	7-7/8	200	4-3/4	121	3/4	20	27	12
2-1/2	65	9-5/8	245	8-3/4	222	4	102	1	25	34	15
3	80	11-1/4	286	11-3/8	289	5-7/8	149	1	25	60	27

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
3/8"	19.9	1"	19.9	2"	55.7
1/2"	19.9	1-1/4"	35.4	2-1/2"	88.5
3/4"	19.9	1-1/2"	35.4	3"	123.3

TOTAL SCREEN AREA

Size	(in ²)	Size	(in ²)	Size	(in ²)
3/8"	11.72	1"	19.17	2"	64.36
1/2"	11.72	1-1/4"	41.65	2-1/2"	67.60
3/4"	11.72	1-1/2"	41.65	3"	128.17

*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

300# Threaded Cast Carbon Steel (ASTM A 216, Grade WCB)

