

# Style SSD

Basket Strainer

Stainless Steel (ASTM A 351, Grade CF8M)

300 lb. Threaded



## Cast 316 Stainless Steel Basket Strainer

### APPLICATIONS

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

### CONSTRUCTION

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

### FEATURES

The Keckley Style SSD 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 Style SSD strainers have stainless 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

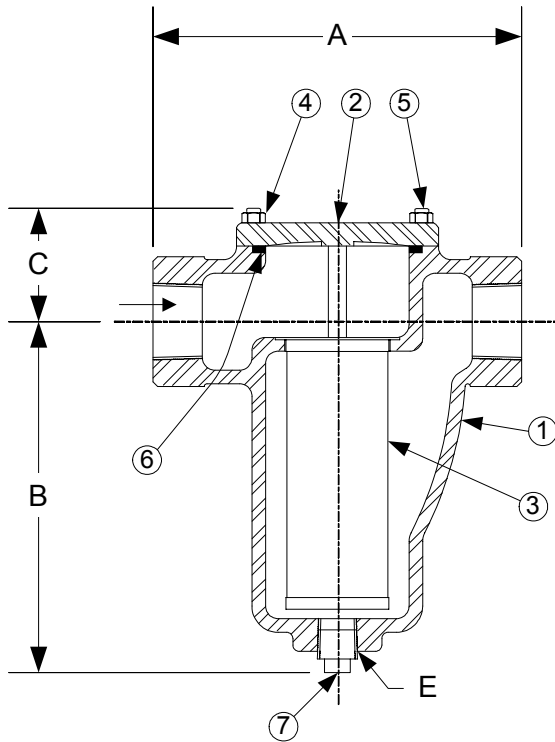
Cleaning of the Style SSD strainer is accomplished by removing the cover and pulling out the basket. **Warning:** See Maintenance Instructions on page S6 of the Strainer Information Section for additional precautions and detailed information on servicing the strainer.

### WORKING PRESSURES – NON SHOCK

NOM. RATING	MEDIA	3/8" to 3"	10 mm to 80 mm
300# (THREADED)	STEAM	300 PSI @ 1125°F	2069 KPa @ 607°C
	W.O.G.	720 PSI @ 100°F	4966 KPa @ 38°C

## Style SSD

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**PARTS LIST**

ITEM	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
2	COVER	STAINLESS STEEL (ASTM A 351, GRADE CF8M)
3	BASKET	STAINLESS STEEL (304)
4	NUTS	STAINLESS STEEL (316)
5	STUDS	STAINLESS STEEL (316)
6	COVER GASKET	STAINLESS STEEL - SPIRAL WOUND (304)
7	PLUG	STAINLESS STEEL (316)

**STANDARD SCREENS SUPPLIED**

SIZE		SCREEN GAGE	SCREEN PERFORMANCE					
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 <sub>v</sub>	Size	C <sub>v</sub>	Size	C <sub>v</sub>
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 <sup>2</sup> )	Size	(in <sup>2</sup> )	Size	(in <sup>2</sup> )
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**

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