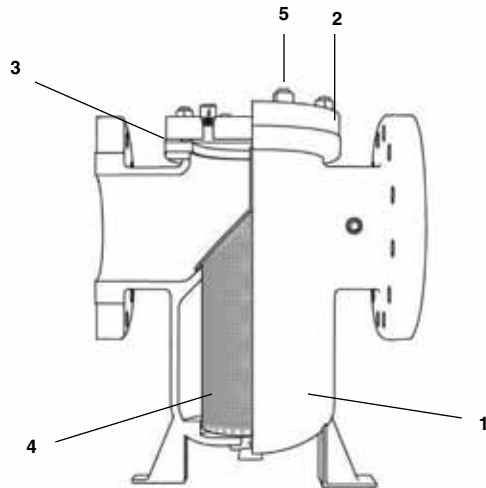


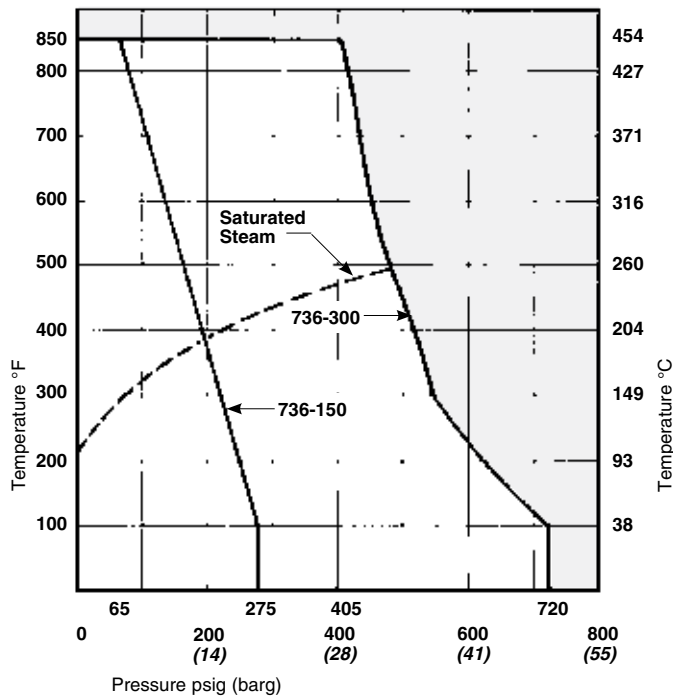
spirax/sarco®

Stainless Steel Basket Strainers 736

Type	736-150	736-300
Sizes	1-1/2" to 12"	1-1/2" to 8"
Connections	ANSI 150	ANSI 300
Construction	Stainless Steel	
Max Saturated Steam Pressure	198 psig	491 psig
Standard Screen	Steam 1-1/2" to 8": .045 perf 10" to 12": .125 perf Liquid 1-1/2" to 4": .063 perf 6" and up: .125 perf	



Limiting Operating Conditions (non-shock)



Pressure Shell Design Conditions

Pressure/Temperature Rating SS-ASTM A351 GR. CF8M - CLASS 150

WOG:	275 psi @ 100°F
Saturated Steam:	150 psi @ 366°F
Maximum Liquid:	20 psi @ 1000°F

Pressure/Temperature Rating SS-ASTM A351 GR. CF8M - CLASS 300

WOG:	720 psi @ 100°F
Saturated Steam:	300 psi @ 420°F
Maximum Liquid:	350 psi @ 1000°F

Stainless Steel not recommended for prolonged use above 1000°F

C_v Values (GPM)

Size	C _v
1-1/2"	43
2"	43
2-1/2"	86
3"	135
4"	290
6"	780
8"	1600
10"	3250
12"	5200

For water:
 $\text{Pressure Drop} = \frac{(\text{GPM})^2}{(\text{C}_v)^2}$
 Consult factory for other liquids.
 See TI-7-429-US for pressure drops on steam, air and other gases.

Referenced Standards and Codes

Code	Description
ASME/ANSI B16-5	Pipe Flanges, Flanged Fittings and Body

*Note: Strainers are not ANSI stamped as standard.

Construction Materials

No.	Part	Material
1	Body	Stainless Steel Type 316 ASTM A351 CF8M
2	Cover	Stainless Steel Type 316 ASTM A351 CF8M
3	Cover Gasket	Non-Asbestos
4	Strainer Screen	Stainless Steel Type 304 ASTM A240
5	Cover Studs	Stainless Steel 18-8 Series 300
	Nuts	Stainless Steel 18-8 Series 300

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
 In the interests of development and improvement of the product, we reserve the right to change the specification.

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Stainless Steel Basket Strainers

736

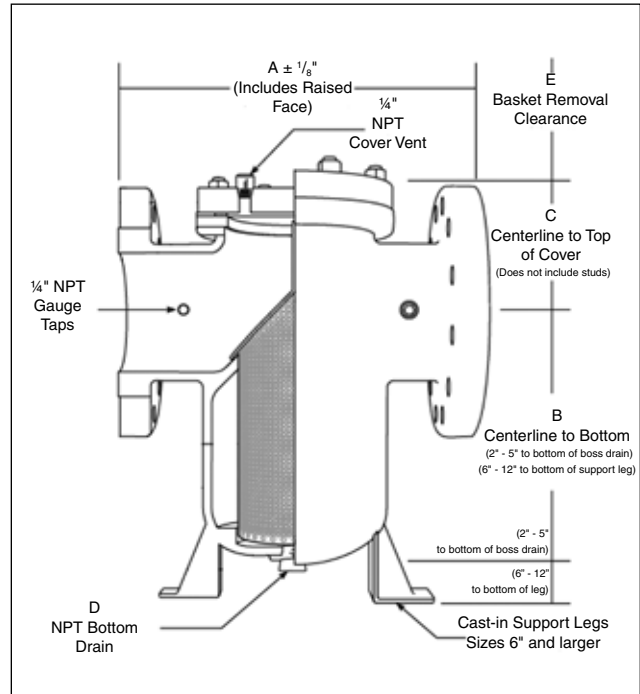
Installation

The strainer should be installed with the flow direction as indicated on the body, in a horizontal pipeline. The strainer must be accessible for periodic removal and cleaning of the screen.

Spare Parts

- Screen _____
- Gasket _____

Note: Please provide date code when placing order for spare parts. Contact Technical Support for assistance if needed.



Dimensions

(nominal) in inches and millimeters

Size	ANSI 150		ANSI 300		ANSI 150		ANSI 300		NPT	ANSI 150		ANSI 300		WEIGHT	
	A		B		C		D	E			ANSI 150	ANSI 300	ANSI 150	ANSI 300	
	(Face-to-Face)		(Center-line to Bottom)		(Center-line to Top)			(Screen Removal)							
1-1/2"	6.50	7.00	4.13	4.13	4.02	4.02	1/2"	n/a	n/a	23.0	23.3	10.4	11.6		
	165	178	105	105	102	102		n/a	n/a						
2"	8.50	8.50	5.88	6.13	5.00	4.91	1/2"	8.00	9.00	24.0	40.0	10.9	18.1		
	216	216	150	156	127	125		204	229						
2-1/2"	8.00	8.68	5.44	6.25	4.75	5.45	3/4"	7.50	10.00	33.0	63.0	15	28.5		
	204	221	139	159	121	139		191	254						
3"	8.75	9.56	5.25	8.00	5.50	6.08	3/4"	8.50	10.00	38.0	63.0	17.2	28.5		
	223	243	134	204	140	155		216	254						
4"	11.19	11.88	7.88	8.53	6.13	5.31	1"	11.00	10.00	64.0	108.0	29	48.9		
	285	302	201	217	156	135		280	254						
6"	13.88	14.75	13.13	12.75	6.75	6.38	1-1/4"	14.50	20.00	128.0	200.0	58	90.6		
	353	375	334	324	172	162		369	508						
8"	17.38	18.13	16.38	15.63	8.88	8.08	1-1/4"	19.25	20.00	227.0	342.0	102.9	155		
	442	461	416	397	226	206		489	508						
10"	22.00	n/a	19.38	n/a	10.75	n/a	1-1/2"	22.75	n/a	362.0	n/a	164	n/a		
	559	n/a	493	n/a	274	n/a		578	n/a						
12"	26.25	n/a	23.75	n/a	13.75	n/a	2"	27.00	n/a	487.00	n/a	220.7	n/a		
	667	n/a	604	n/a	350	n/a		686	n/a						

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Strainers

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