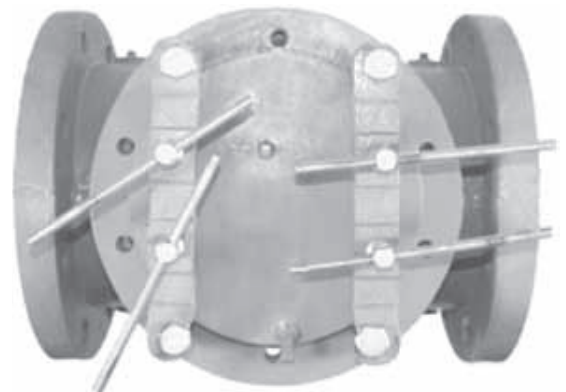
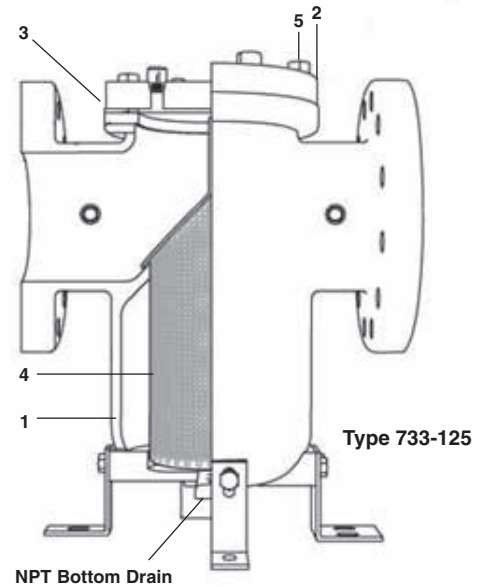
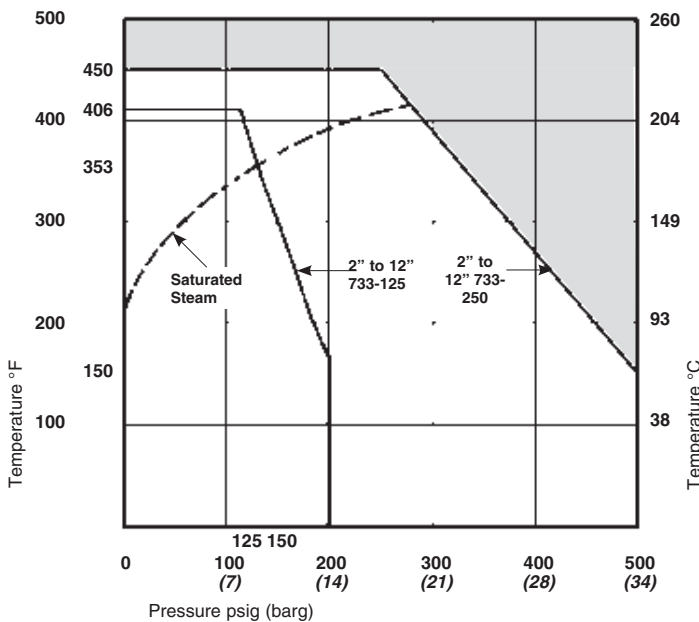


# spirax/sarco®

## Cast Iron Basket Strainers 733

Type	733-125	733-250	733C-125
Sizes	2" to 16"		2" to 16"
Connections	ANSI 125	ANSI 250	ANSI 125
Construction	Cast Iron		
Max Saturated Steam Pressure	see below		
Standard Screen			
Steam	2" to 8": .045 perf 10" to 20": .125 perf		N/A N/A
Liquid	2" to 4": .063 perf 6" and up: .125 perf		2" to 4": 0.062 perf 6" and up: 0.125 perf

### Limiting Operating Conditions (non-shock)



### Referenced Standards and Codes

Code	Description
ASME/ANSI B16-1	Cast Iron Pipe Flanges and Flanged Fittings

### Pressure Shell Design Conditions

	733-125	733C-125
ANSI CLASS 125	733-125	733C-125
WOG (water, oil, gas):	200 psig @ 150°F	200 psig @ 100°F
Saturated Steam:	125 psig @ 353°F	Not Recommended
Maximum Liquid:	125 psig @ 450°F	Not Recommended

	733-250
ANSI CLASS 250	733-250
WOG (water, oil, gas)	
Saturated Steam	
Maximum Liquid	

### Construction Materials

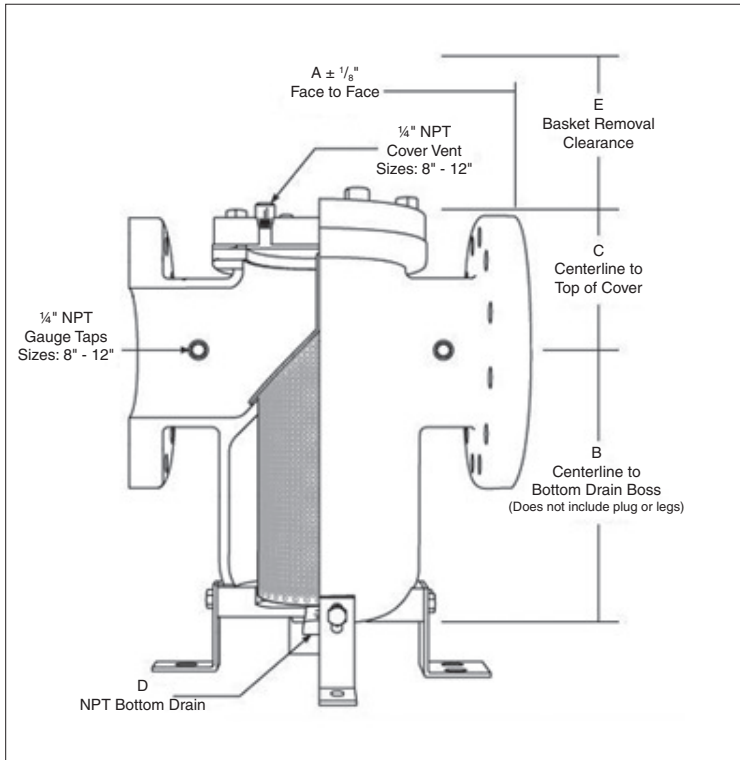
No.	Part	Material	
1	Body	Cast Iron	ASTM A126 Gr. B
2	Cover/Clamp Cover	Cast Iron	ASTM A126 Gr. B
3	Cover/Clamp Gasket	Non-Asbestos	BUNA-N O-Ring(733C)
4	Strainer Screen	Stainless Steel	Type 304
5	Cover Screws/Bolts	Carbon Steel	

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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# Cast Iron Basket Strainers

## 733



### C<sub>v</sub> Values (GPM)

Size	C <sub>v</sub>
2"	43
2-1/2"	86
3"	135
4"	290
6"	780
8"	1600
10"	3250
12"	5200
14"	7600
16"	9200

For water:  

$$\text{Pressure Drop} = \frac{(\text{GPM})^2}{(\text{Cv})^2}$$

Consult factory for other liquids.

See TI-7-429-US for pressure drops on steam, air and other gases.

### 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 125		ANSI 250		ANSI 125		ANSI 250		ANSI 125		ANSI 250		NPT		WEIGHT		
	A	A	B	B	C	C	D	E	ANSI 125	Clamp Cover	ANSI 250						
2"	8.63	8.63	5.88	5.88	4.38	5.75	1/2	10.88	27.00	28.40	40.00						
	220	220	150	150	112	146	15	277	12.2	12.8	18.2						
2-1/2"	7.56	8.40	5.44	5.40	3.75	5.20	3/4	10.88	30.00	31.50	30.00						
	193	213	139	138	96	132	20	277	13.6	14.3	13.6						
3"	8.75	9.60	5.25	5.30	5.13	6.60	3/4	11.25	40.00	42.00	52.00						
	223	243	134	133	131	169	20	286	18.1	19	23.6						
4"	11.19	11.50	7.88	8.00	5.38	7.40	3/4	15.50	76.00	79.80	90.00						
	285	292	201	203	137	188	20	394	34.4	36.2	41.0						
6"	14.00	15.50	8.00	10.40	5.63	8.90	3/4	18.25	154.00	161.70	224.00						
	356	394	204	264	143	225	20	464	69.8	73.3	102.0						
8"	17.13	18.10	10.63	15.50	7.00	9.60	1-1/2	23.38	244.00	256.20	240.00						
	435	461	270	394	178	244	40	594	110.6	116.1	109.0						
10"	22.00	23.30	16.00	16.00	9.25	12.40	1-1/2	29.00	416.00	436.80	460.00						
	559	591	407	406	235	315	40	737	188.5	197.9	209.0						
12"	25.25	26.50	23.75	23.80	11.63	13.90	2	37.50	752.00	789.60	854.00						
	642	673	604	603	296	354	50	953	340.7	357.8	388.0						

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