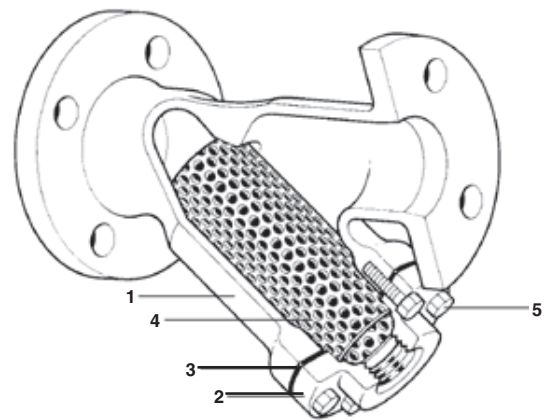


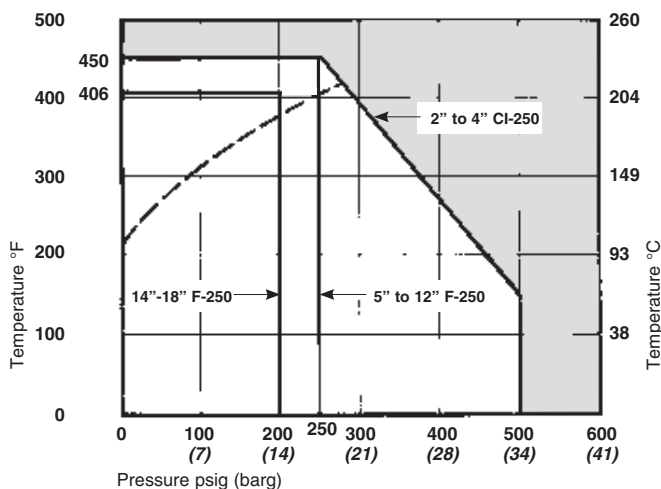
spirax/sarco®

Cast Iron Strainers CI-250, F-250

Type	CI-250			F-250	
Sizes	2"	2-1/2" & 3"	4"	5" to 12"	14" to 18"
Connections	ANSI 250				
Construction	Cast Iron				
Max Saturated Steam Pressure	280 psig		250 psig		200 psig
Standard Screen	1/32"	20 Mesh	4" to 6" 1/8" perf	5" to 18" 1/8" perf	
Optional	100 mesh	60/100	4" to 6" 3/64" perf	5" to 18" 3/64" perf	



Limiting Operating Conditions (non-shock)



C_v Values

Size	C _v
2"	70
2-1/2"	110
3"	165
4"	280
5"	450
6"	650
8"	1100
10"	1650
12"	2400
14"	3500
16"	5400
18"	Consult factory

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.

Pressure Shell Design Conditions

Max. allowable pressure	CI-250: 500 psig/-20-150°F	34 barg/-29-66°C
	5"-12" F-250: 250 psig/-20-450°F	17 barg/-29-208°C
	14"-18" F-250: 200 psig/-20-406°F	14 barg/-29-208°C
Max. allowable temperature	CI-250: 450°F/0-250 psig	232°C/0-17 barg
	5"-12" F-250: 450°F/0-250 psig	208°C/0-17 barg
	14"-18" F-250: 406°F/0-200 psig	208°C/0-14 barg

Construction Materials

No.	Part	Material
1	Body	Cast Iron ASTM A 126 CL B
2	Cap	Cast Iron ASTM A 126 CL B
3	Cap Gasket	Graphite
4	Strainer Screen	Stainless Steel Type 304
5	Cap Screws	Steel

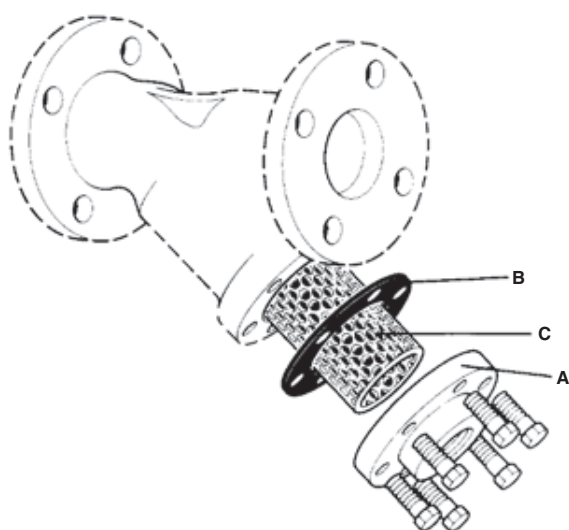
Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
 In the interests of development and improvement of the product, we reserve the right to change the specification.

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Cast Iron Strainers

CI-250, F-250

Spare Parts



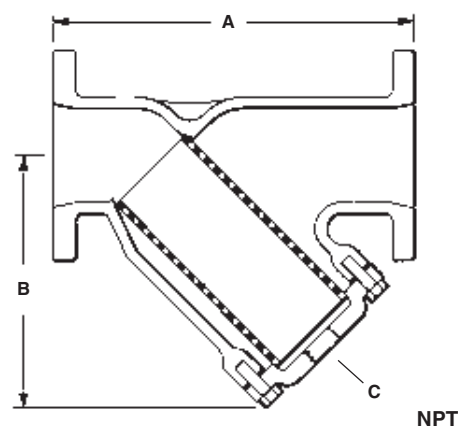
Screen	C
(state material, perforations or mesh & size of strainer)	
Cap Gasket	B
Cap	A

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

Installation

The strainer should be installed with the flow direction as indicated on the body, in a vertical down or horizontal pipeline.

The strainer must be accessible for periodic removal of accumulated debris, by either blowing down or removal and cleaning of the screen.



Dimensions

(nominal) in inches and millimeters

Size	A	B	C (NPT)	Weight
CI-250				
2"	11.6 295	6.34 161	1-1/4"	30 lb 13.6 kg
2-1/2"	13.0 330	7.13 181	1-1/4"	44 lb 20 kg
3"	14.0 356	8.0 203	1-1/4"	60 lb 27 kg
4"	17.06 433	11.25 286	1-1/4"	117 lb 53 kg
F-250/CI-250 to 8"				
5"	18.3 464	12.9 329	2"	146 lb 66 kg
6"	20.2 512	14.5 368	2"	194 lb 88 kg
8"	23.4 594	16.4 410	2"	316 lb 143 kg
10"	27.4 696	19.0 483	2"	475 lb 215 kg
12"	32.0 813	22.0 559	2"	750 lb 341 kg
14"	38.8 984	28.8 730	2"	908 lb 412 kg
16"	44.1 1128	29.6 752	2"	1135lb 515 kg
18"	47.8 1213	34.7 881	2-1/2"	2400 lb 1090 kg

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Strainers