

spirax sarco

Cast Iron Strainers CI-125, F-125

Type	CI-125		F-125	
Sizes	2" to 4"	6" to 8"	10" & 12"	14" & 18"
Connections	ANSI 125			
Construction	Cast Iron			
Max Saturated Steam Pressure	147 psig	125 psig		100 psig
Standard Screen	20 Mesh	4" to 8" 1/8" perf	10" to 18" 1/8" perf	
Options	60/100 mesh	100 Mesh 4" to 6" 3/64" perf 8" to 18" 1/16" perf Steel or Brass Plug		

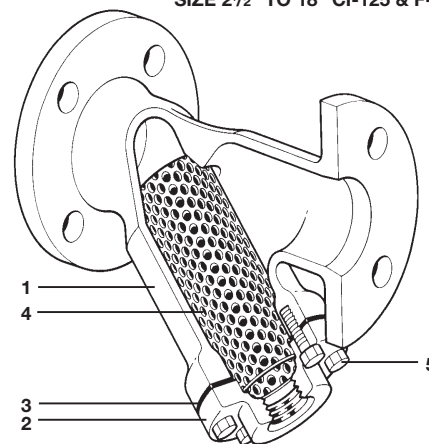
Note: Conforms to WW-S-2739 when equipped with an optional bronze plug in the blow-off connection.

C_v Values

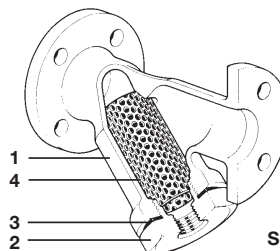
Size	C _v
2"	70
2-1/2"	110
3"	165
4"	280
5"	450
6"	650
8"	1100
10"	1650
12"	2400
14"	3500
16"	5400
18"	6300

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.

SIZE 2 1/2" TO 18" CI-125 & F-125

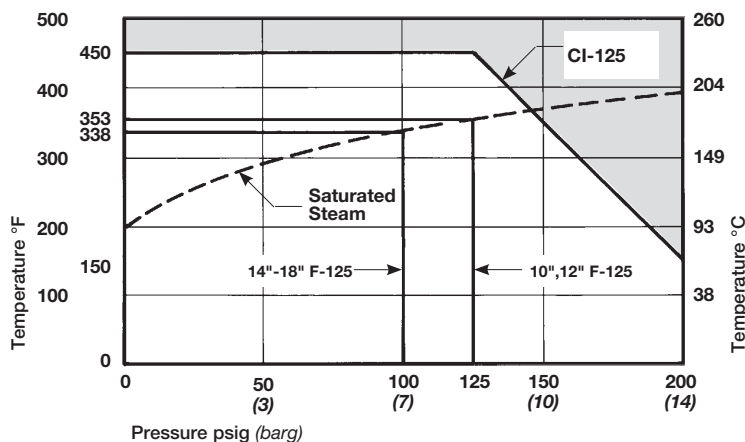


BLOWDOWN
OFFSET ON
SIZES 4"- 8"



SIZE 2" CI-125

Limiting Operating Conditions (non-shock)



Construction Materials

No.	Part	Material
1	Body	Cast Iron ASTM A126 CLB
2	Cap/Bushing	Cast Iron ASTM A126 CLB
3	Cap Gasket	*Graphite
4	Strainer Screen	Stainless Steel
5	Cap Screws	Steel

*2" - Copper Jacketed Gasket with Non-Asbestos Filler

Pressure Shell Design Conditions

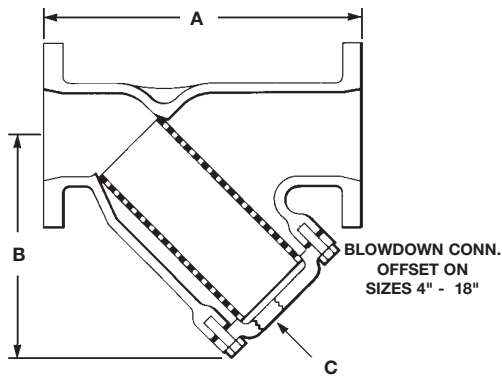
Max. allowable pressure	CI-125: 200 psig/-20-150°F	14 barg/-29-66°C
	10",12" F-125: 125 psig/-20-353°F	9 barg/-29-178°C
	14",18" F-125: 100 psig/-20-338°F	7 barg/-29-170°C
Max. allowable temperature	CI-125: 450°F/0-125 psig	232°C/0-9 barg
	10",12" F-125: 353°F/0-125 psig	178°C/0-9 barg
	14",18" F-125: 338°F/0-100 psig	170°C/0-7 barg

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-125, F-125



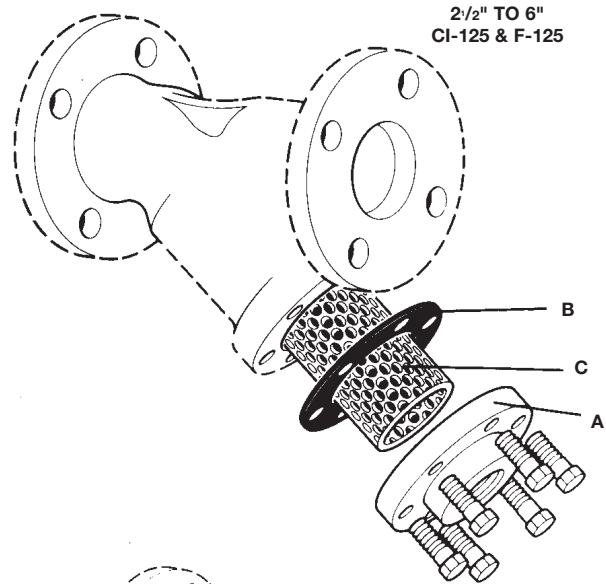
Dimensions
(nominal) in inches and millimeters

Size	A	B	C (NPT)	Weight
CI-125				
2"	8.7 222	5.7 146	1"	17 lb 7.7 kg
2-1/2"	10.5 267	6.7 171	1-1/4"	29 lb 13 kg
3"	12.0 305	7.6 194	1-1/4"	44 lb 20 kg
4"	14.9 378	10.6 270	1-1/4"	82 lb 37 kg
5"	17.2 438	12.9 327	1-1/2"	115 lb 52 kg
6"	20.0 508	15.4 391	1-1/2"	160 lb 73 kg
8"	21.6 549	15.5 394	2"	247 lb 112 kg
F-125				
10"	25.8 654	18.5 470	2"	381 lb 173 kg
12"	29.9 759	21.8 553	2"	623 lb 282 kg
14"	33.3 845	25 635	2"	818 lb 371 kg
16"	38.8 984	26.5 673	2"	1421 lb 643 kg
18"	43.1 1096	31 788	2"	1582 lb 717 kg

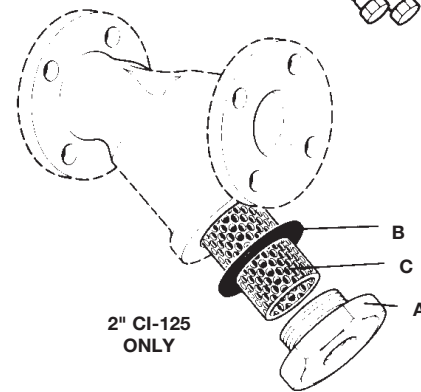
Installation

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.

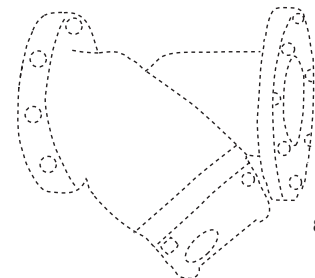
Spare Parts



2 1/2" TO 6"
CI-125 & F-125



2" CI-125
ONLY



8" to 18"
F-125

Screen (state material, perforations or mesh & size of strainer)	C
Cap Gasket	B
Blowoff Bushing, 2"	A
Cap	A

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

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