

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

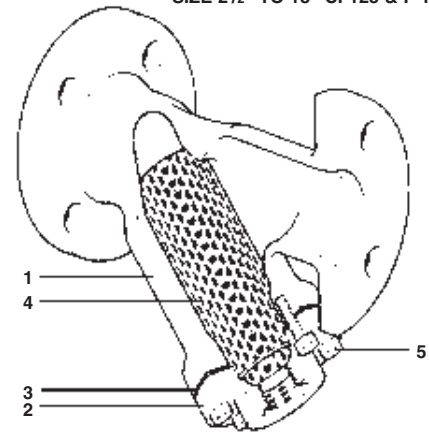
| Size | C _v |
|--------|----------------|
| 2" | 70 |
| 2-1/2" | 110 |
| 3" | 165 |
| 4" | 280 |
| 5" | 450 |
| 6" | 650 |
| 8" | 1100 |
| 10" | 1650 |
| 12" | 2400 |
| 14" | 3500 |
| 16" | 5400 |
| 18" | 6300 |

For water:

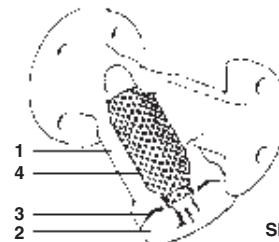
$$\text{Pressure Drop} = \frac{(\text{GPM})^2}{(\text{Cv})^2}$$

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

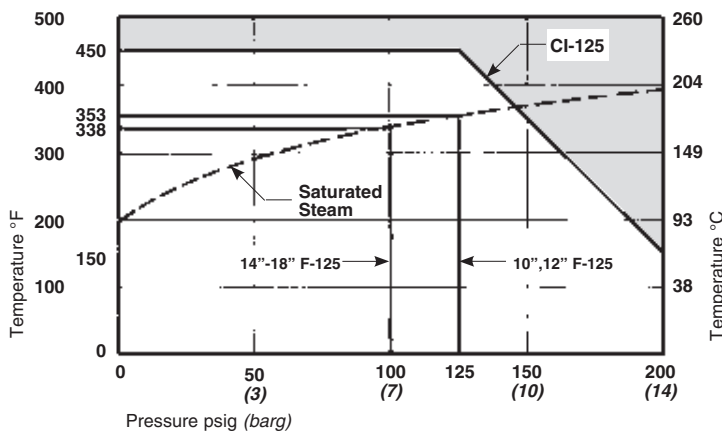


BLOWDOWN OFFSET ON SIZES 4"- 8"



SIZE 2" CI-125

Limiting Operating Conditions (non-shock)



Construction Materials

| No. | Part | Material |
|-----|-----------------|-----------------|
| 1 | Body | Cast Iron |
| 2 | Cap/Bushing | Cast Iron |
| 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

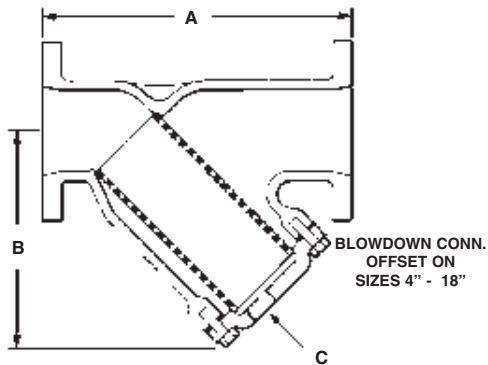
| | | |
|----------------------------|-----------------------------------|-------------------|
| Max. allowable pressure | CI-125: 200 psig/-20-150°F | 14 barg/-29-66°C |
| | 10",12" F-125: 125 psig/-20-353°F | 9 barg/-29- 178°C |
| | 14",18" F-125: 100 psig/-20-338°F | 7 barg/-29- 170°C |
| Max. allowable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

TI-7-415-US 03.10

Cast Iron Strainers

CI-125, F-125

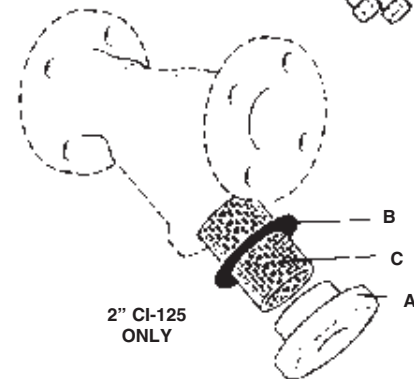
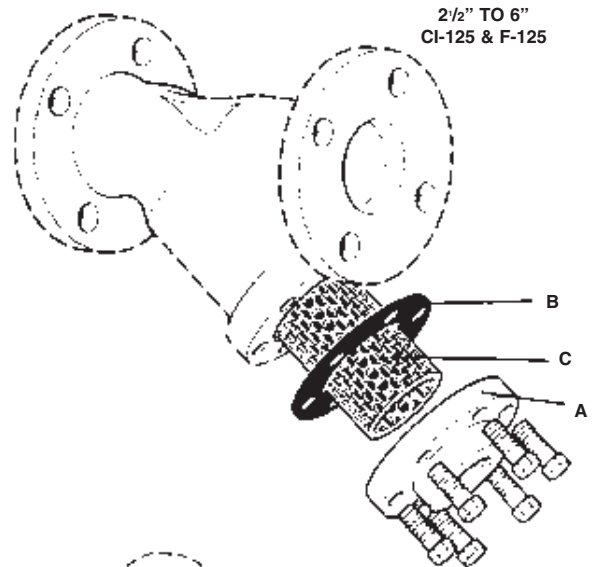


| Dimensions (nominal) in inches and millimeters | | | | |
|---|--------------|-------------|---------|-------------------|
| Size | A | B | C (NPT) | Weight |
| CI-125 | | | | |
| 2" | 8.7 222 | 5.7 146 | 1" | 17 lb 7.7 kg |
| 2-1/2" | 10.5 267 | 6.7 171 | 1-1/4" | 29 lb 13 kg |
| 3" | 12.0 305 | 7.6 194 | 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 |

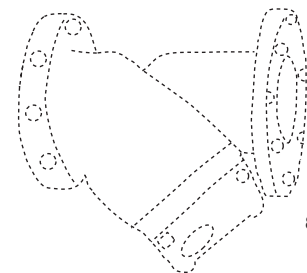
Installation

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" 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.

TI-7-415-US 03.10