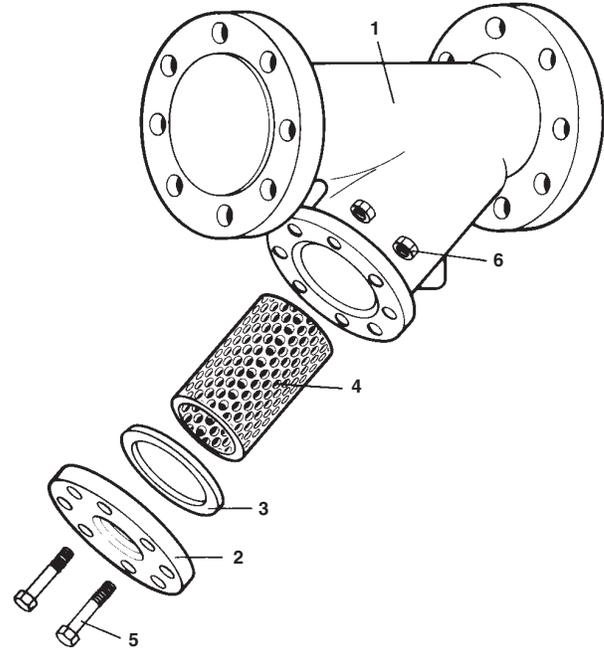


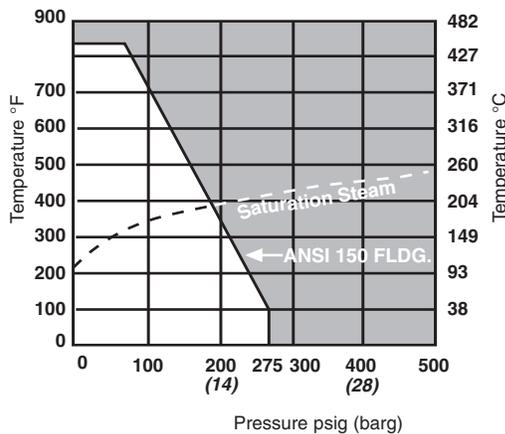
spirax sarco®

Stainless Steel Strainers CSS

Type ⇄	CSS-150
Sizes	10" to 14"
Connections	ANSI 150
Construction	Cast 316 stainless steel
Max Saturated Steam Pressure	197 psig
Standard Screen	2-1/2" to 8": 3/64" perf 10" to 14" : 1/16" perf



Limiting Operating Conditions (non-shock)



Pressure Shell Design Conditions

Max. allowable pressure 275 psig/-20-100°F 19 barg/-29-38°C

Max. allowable temperature 850°F/0-65 psig 454°C/0-28 barg

Construction Materials

No.	Part	Material	
1	Body	Stainless Steel	ASTM A 743 Gr CF-8M
2	Cap 10", 12", 14"	Stainless Steel	ASTM A 240 Type 316
3	Cap Gasket	Graphite	
4	Strainer Screen	Stainless Steel	AISI 316
5	Cap Studs 10" to 14"	Stainless Steel	ASTM A 193 Grade B7
6	Nuts 10" to 14"	Stainless Steel	ASTM A 194 Grade 2H

C_v Values

Size	C _v
10"	1650
12"	2400
14"	3500

For water:

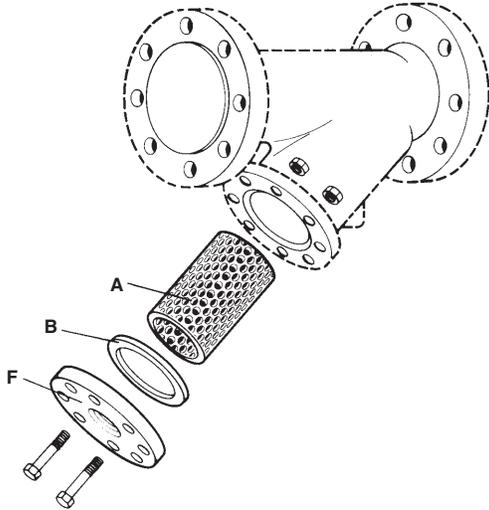
$$\text{Pressure Drop} = \frac{(\text{GPM})^2}{(\text{C}_v)^2}$$

Consult factory for other liquids.

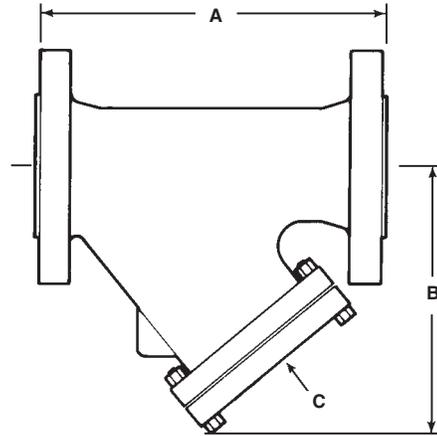
See TI-7-429-US for pressure drops on steam, air and other gases.

Stainless Steel Strainers CSS

Spare Parts



Strainer Screen	A
state material, size of perf or mesh, and size of strainer	
Cap Gasket	B
Cap	F



Dimensions (nominal) in inches and millimeters

Size	A	B	C	Weight
10"	30.01 765	20.5 520	2" NPT	132 lb 290 kg
12"	33.5 850	24.0 610	2" NPT	180 lb 397 kg
14"	38.6 980	24.8 630	2" NPT	1212 lb 550 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.