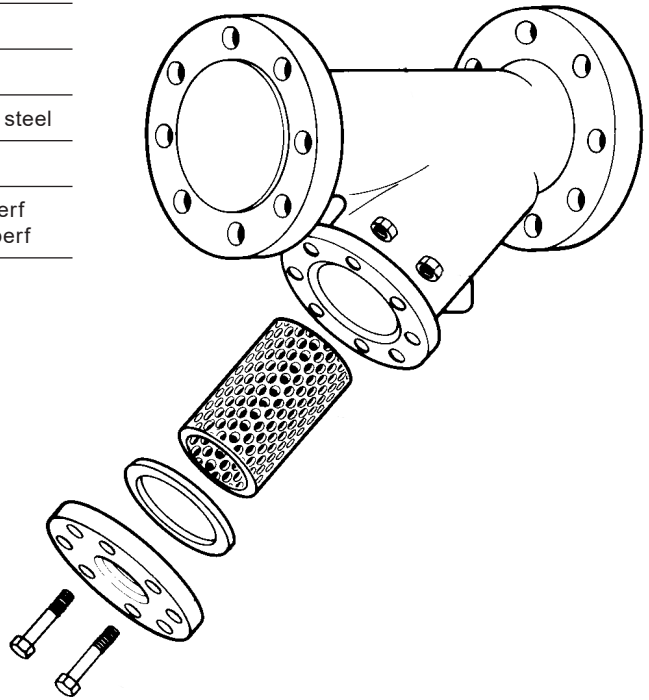




Stainless Steel Strainers CSS

Description

Type	CSS-150
Connections	ANSI 150
Construction	Cast 316 stainless steel
Maximum Saturated Steam Pressure	197 psi g
Standard Screen	2½" to 8": ⅜" perf 10" to 14": ¼" perf



Cv Values

Size	Cv
10"	1650
12"	2400
14"	3500

For water:

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

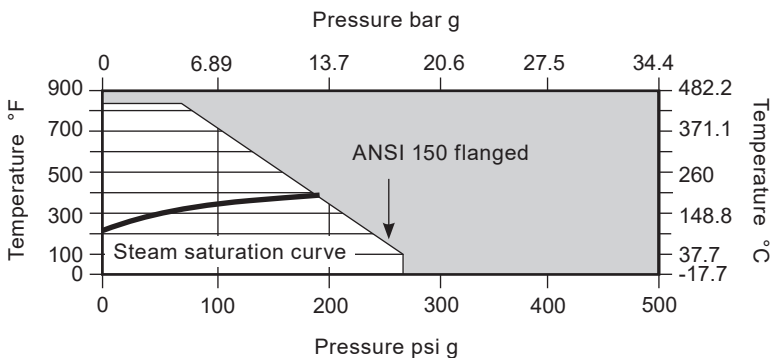
Consult factory for other liquids.

See TI-S26-04-US for pressure drops on steam, air and other gases.

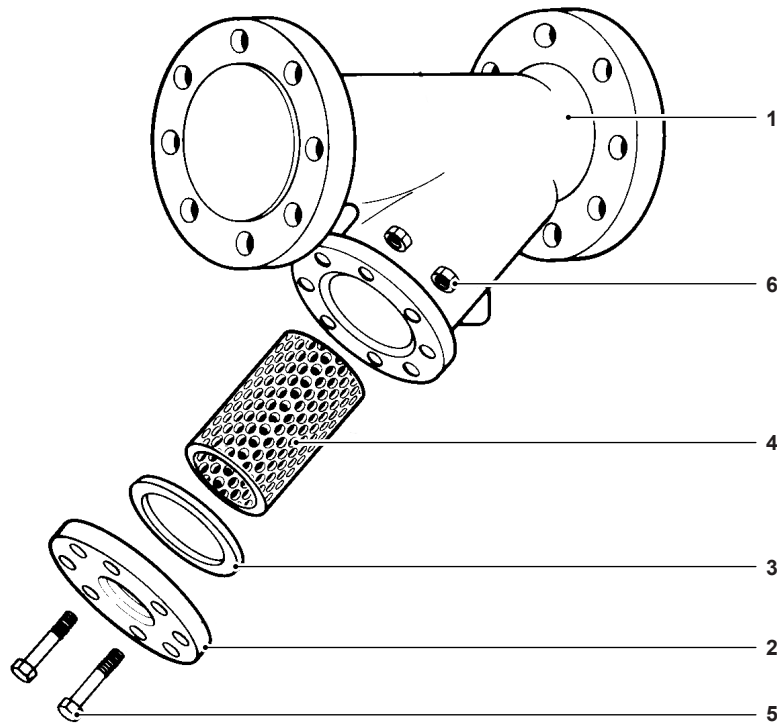
Pressure shell design conditions

Maximum allowable pressure	275 psi g/-20-100 °F (19 bar g/-29-38 °C)
Maximum allowable temperature	850 °F/0-65 psi g (454 °C/0-4.5 bar g)

Limiting operating conditions (non-shock)



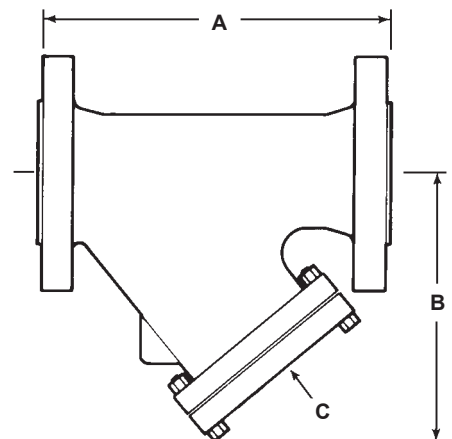
Materials



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

Dimensions/weights (approximate) in inches (mm) and lbs (kg)

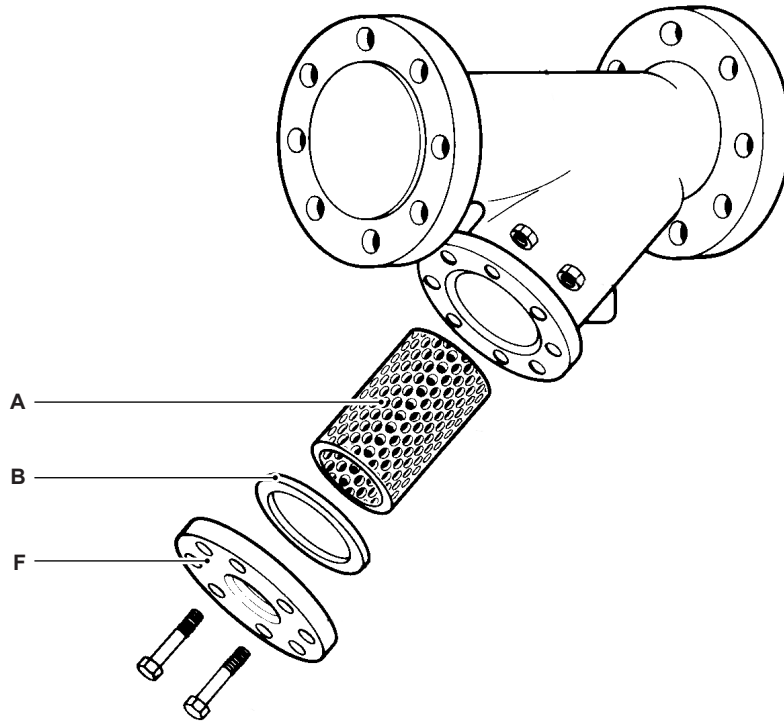
Size	A	B	C	Weight
10"	30.01 (762)	20.5 (521)	2" (NPT)	132 lb (60 kg)
12"	33.5 (851)	24.0 (610)	2" (NPT)	180 lb (82 kg)
14"	38.6 (980)	24.8 (630)	2" (NPT)	1212 lb (550 kg)



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.

Spare parts



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