



Cast Iron Strainers CI-250

Description

Type	CI-250	
Sizes	2½" & 3"	4"
Connections	ANSI 250	
Construction	Cast Iron	
Maximum saturated steam pressure	280 psi g	
Standard screen	20 Mesh	4" 1/8" perf
Optional	60/100	4" 3/64" perf

Cv Values

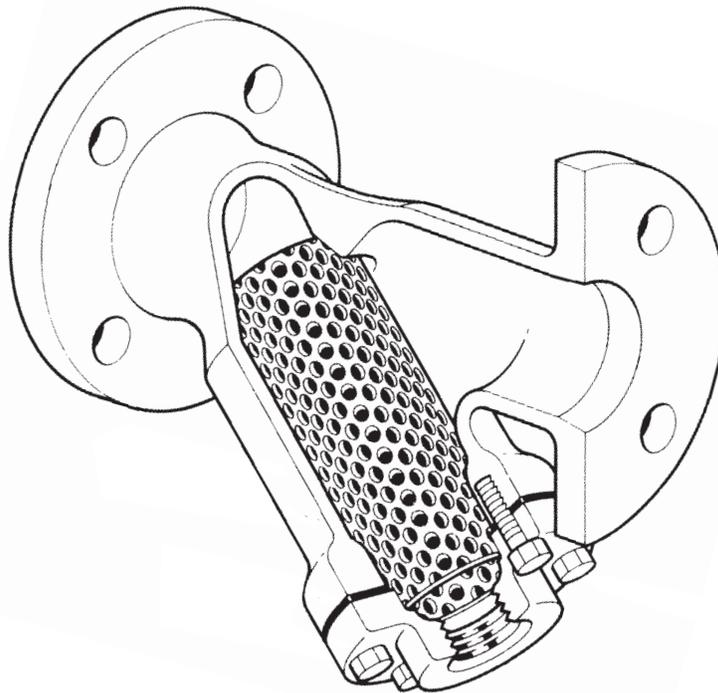
Size	Cv
2½"	110
3"	165
4"	280

For water:

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

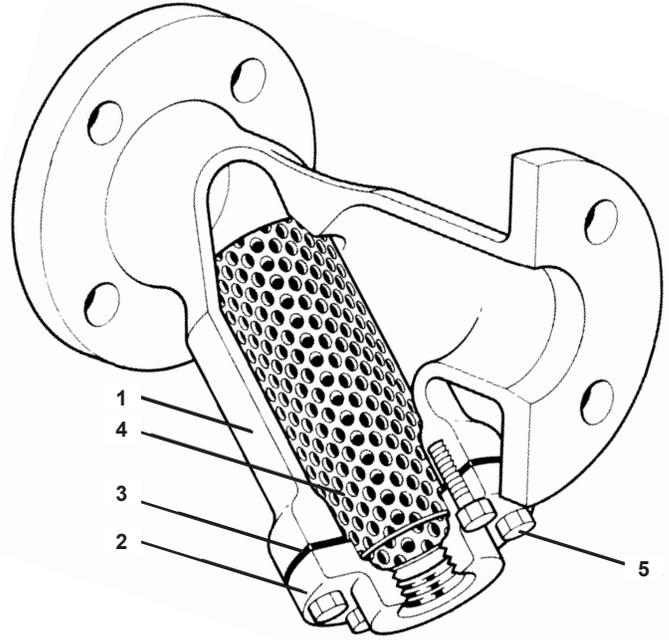
Consult factory for other liquids.

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



Materials

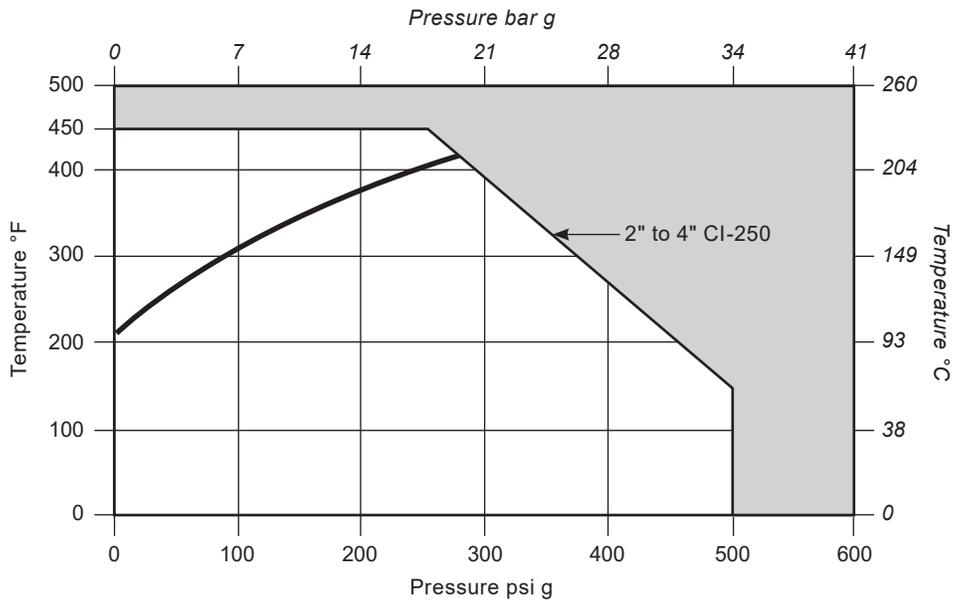
No.	Part	Material	
1	Body	Cast Iron	ASTM A 126 CL B
2	Cap	Cast Iron	ASTM A 126 CL B
3	Cap Gasket	Graphite	
4	Strainer Screen	Stainless Steel	Type 304
5	Cap Screws	Steel	



Pressure Shell Design Conditions

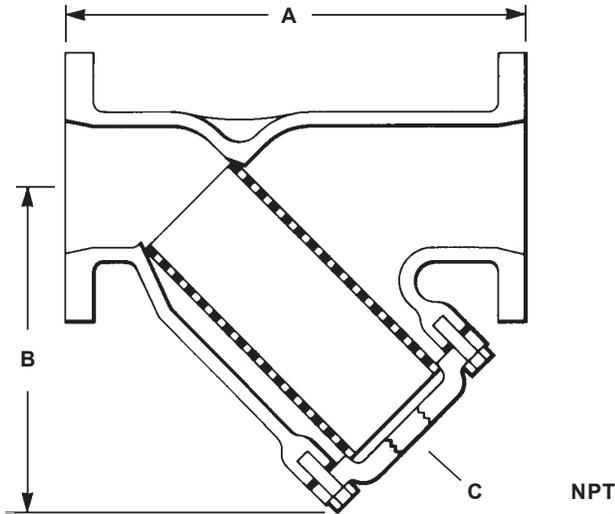
Maximum allowable pressure	500 psi g/-20-150 °F	(34 bar g/-29-66 °C)
Maximum allowable temperature	450 °F/0-250 psi g	(232 °C/0-17 bar g)

Limiting Operating Conditions (non-shock)



Dimensions/weights

(approximate) in inches (mm) and lbs (kg)



Size	A	B	C (NPT)	Weight
CI-250	2½"	13.0	7.13	44 lb
		330	181	20 kg
	3"	14.0	8.0	60 lb
		356	203	27 kg
	4"	17.06	11.25	117 lb
		433	286	53 kg

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.

Spare Parts

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

