



TI-S26-02-US  
Issue 2

## Cast Iron Strainers CI-125

### Description

Type	CI-125	
Sizes	2" to 4"	6"
Connections	ANSI 125	
Construction	Cast Iron	
Maximum saturated steam pressure	147 psi g (10.1 bar g)	125 psi g (9 bar g)
Standard screen	20 Mesh	4" to 8" 1/8" perf
Options	60/100 mesh	100 Mesh 4" to 6" 3/64" perf
	Steel or Brass Plug	

### Cv Values

Size	Cv
2"	70
2½"	110
3"	165
4"	280
5"	450
6"	650

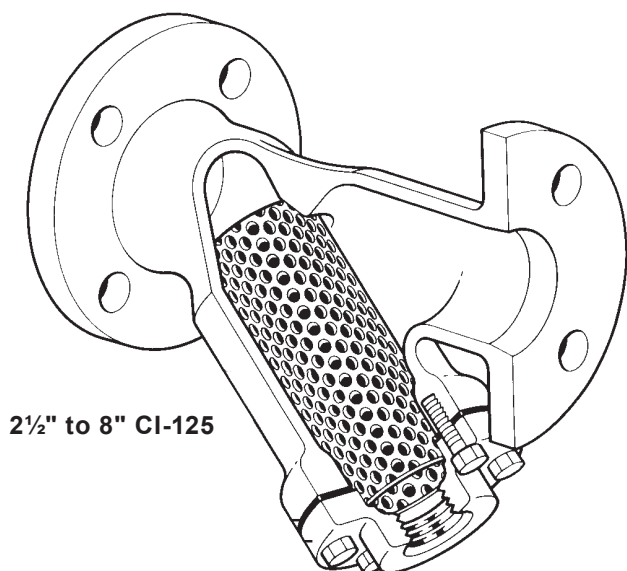
For water:

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

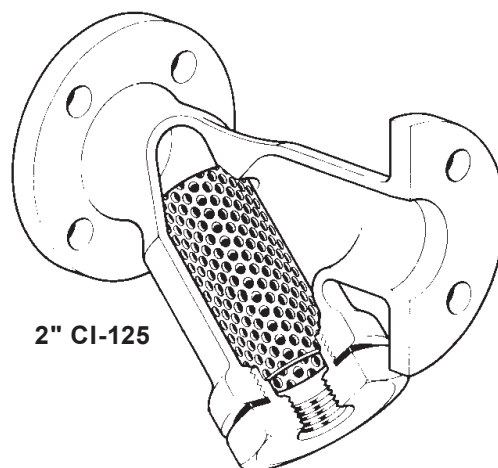
Consult factory for other liquids.

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

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



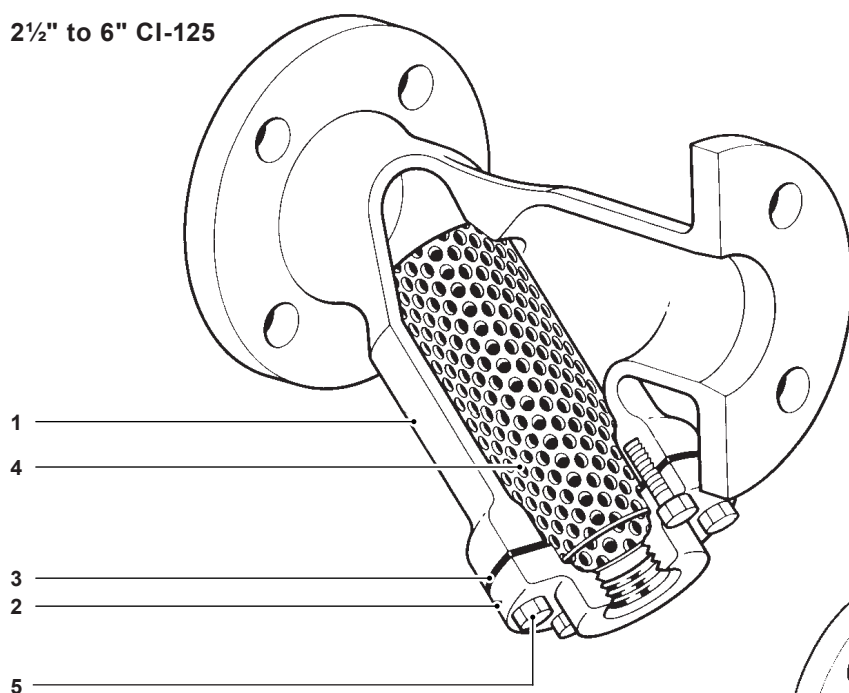
2½" to 8" CI-125



2" CI-125

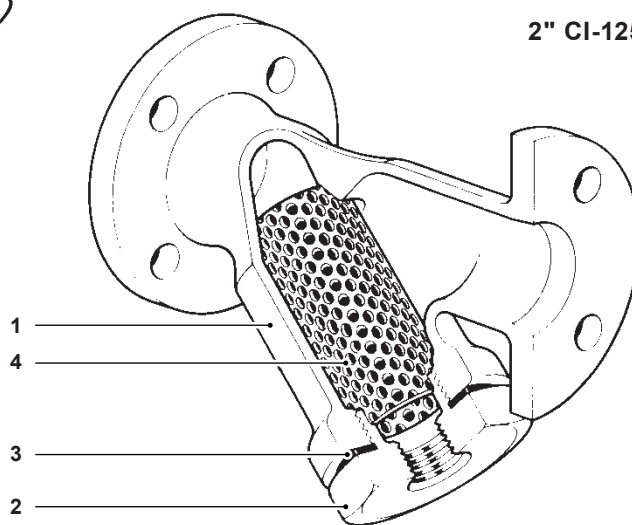
## Materials

2½" to 6" CI-125



Blowdown offset on sizes 4" - 6"

2" CI-125



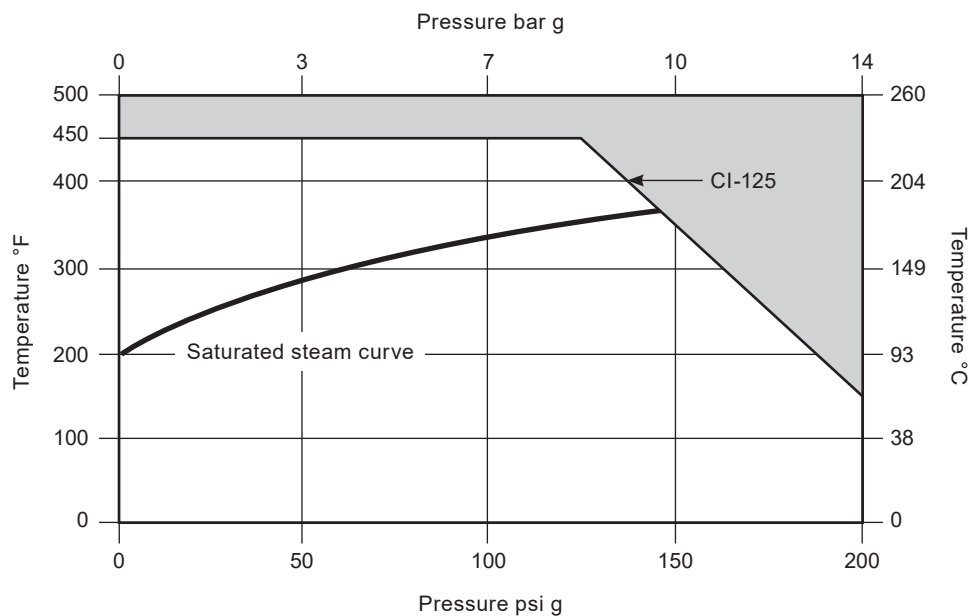
No.	Part	Material
1	Body	Cast Iron ASTM A126 CLB
2	Cap/Bushing	Cast Iron ASTM A126 CLB2
3	Cap Gasket	*Graphite
4	Strainer Screen	Stainless Steel
5	Cap Screws	Steel

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

## Pressure shell design conditions

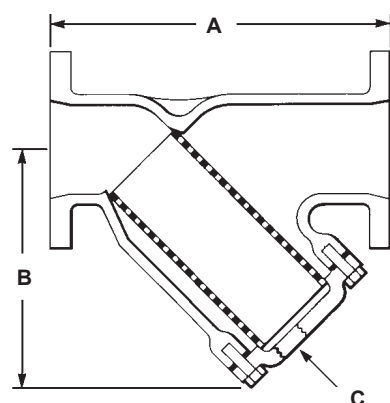
Maximum allowable pressure	200 psi g/-20-150 °F (14 bar g/-29-66 °C)
Maximum allowable temperature	450 °F/0-125 psi g (232 °C/0-9 bar g)

## Limiting operating conditions (non-shock)



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

Size	A	B	C (NPT)	Weight	
CI-125	2"	8.7 (221)	5.7 (145)	1"	17 lb (7.7 kg)
	2½"	10.5 (267)	6.7 (170)	1¼"	29 lb (13 kg)
	3"	12.0 (305)	7.6 (194)		44 lb (20 kg)
	4"	14.9 (378)	10.6 (269)		82 lb (37 kg)
	5"	17.2 (437)	12.9 (328)	1½"	115 lb (52 kg)
	6"	20.0 (508)	15.4 (391)		160 lb (73 kg)



Blowdown  
connectors  
offset on sizes  
4" - 6"

## 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 and 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.

