



Stainless Steel Strainers TSSY

Description

Type	TSSY
Sizes	½", ¾", 1", 1¼", 1½", 2"
Connections	NPT or SW to ANSI B16.11
Construction	Investment Cast Stainless Steel Type 316L
Maximum Saturated Steam Pressure **	300 psi @ 420 °F
Screen*	½" perf. (.031)

Note:

* 28% open area

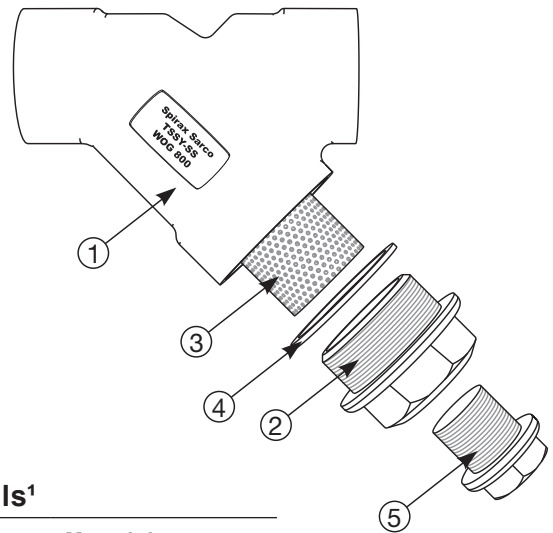
** See Fig16 HP, TI-P169-08 ASME Class 800 Strainer for higher pressures

C_v Values

Size	C _v
½"	9.4
¾"	18.0
1"	30.0
1¼"	45.0
1½"	63.0
2"	98.0

For water:
 Pressure Drop = $\frac{(GPM)^2}{(C_v)^2}$

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



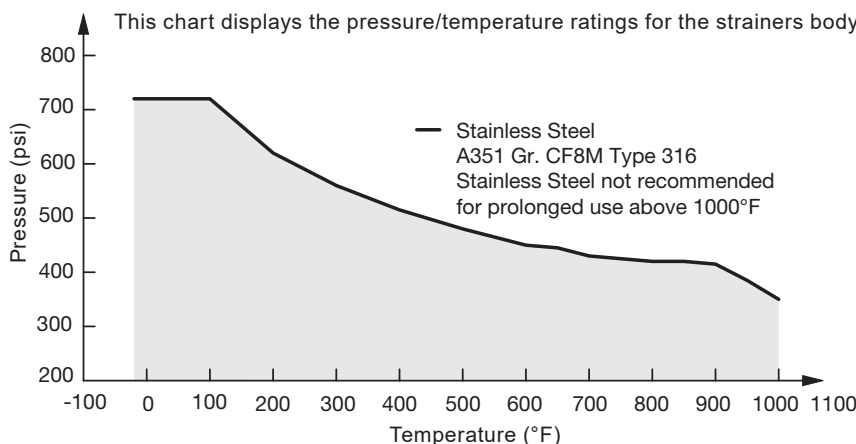
Materials¹

No. Part	Material
1 Body	ASTM A351 GR: CF8M Type 316
2 Bonnet	ASTM A351 Gr. CF8M Type 316
3 Screen ²	Stainless Steel (Type 316L)
4 Gasket	PTFE
5 NPT Plug	Stainless Steel

¹ Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.

² Denotes recommended spare parts.

Pressure Temperature Ratings

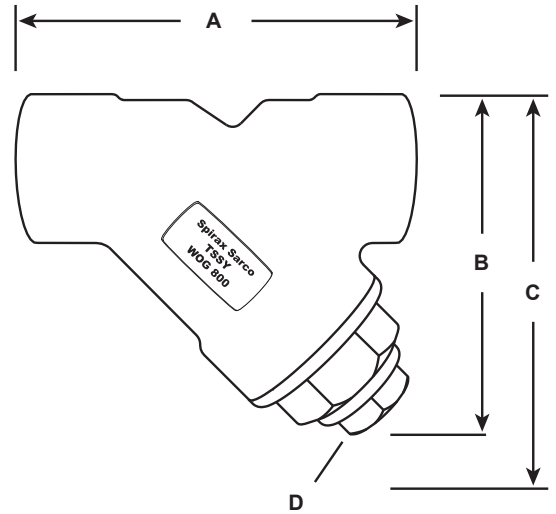


SS - ASTM A351 GR. CF8M
WOG (Non-shock): 720 psi @ 100 °F
Saturated Steam: 300 psi @ 420 °F
Maximum Liquid: 350 psi @ 1000 °F

The above listed temperatures are theoretical and may vary during actual operating conditions.

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

Size	in	½	¾	1	1¼	1½	2	
	mm	15	20	25	32	40	50	
A	Face to face (NPT) (2)	in	2.55	3.14	3.54	4.13	4.72	5.5
		mm	65	80	90	105	120	140
A	Face to face (SW) (2)	in	2.55	3.14	3.54	4.13	4.72	5.51
		mm	65	80	90	105	120	140
B	Center line to bottom (NPT)	in	2.00	2.36	2.83	3.03	3.42	4.06
		mm	51	60	72	77	87	103
B	Center line to bottom (SW)	in	2.00	2.36	2.83	3.03	3.42	4.05
		mm	51	60	72	77	87	103
C	Screen removal	in	2.50	3.25	3.75	4.25	4.75	5.50
		mm	64	83	95	108	120	140
D	NPT plug (blow off)	in	1/4	3/8	3/8	3/4	3/4	1
		mm	8	10	10	20	20	25
Approximate assembled weight	lb	0.5	1.0	1.5	2.0	2.5	4.0	
	kg	0.2	0.5	0.7	0.9	1.1	1.8	



Spare Parts

Strainer Screen	1
Cap Gasket	2

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.

