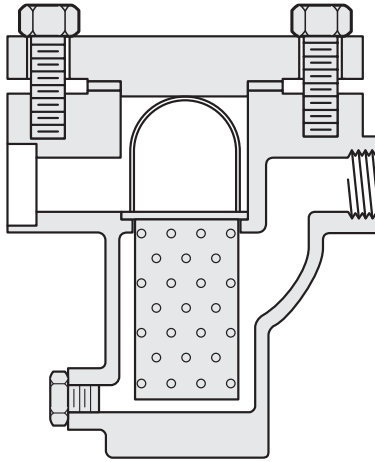


## Series B125 Threaded and Series B300 Style2 Socket Weld Basket Strainers



### Design Features:

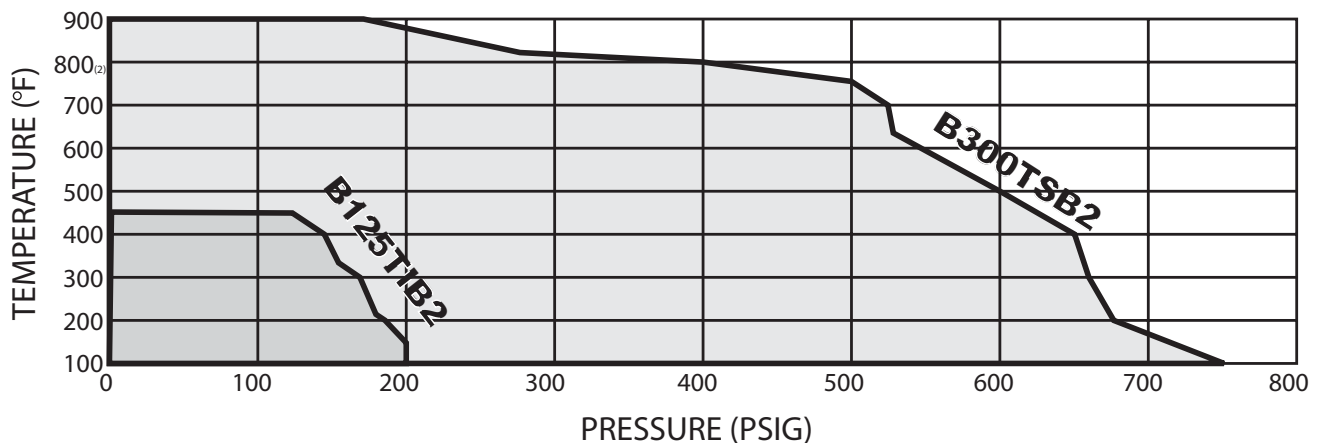
- Strainers are equipped with threaded (NPT) or socket weld inlet/outlet connections.
- Strainer body meets applicable ASME standard.
- Series B300 strainers equipped with bolted cover flanges that utilize a flat gasket seal.
- Series B125 strainers equipped with a rotating cover that utilizes an O-Ring seal.
- Strainer cover flanges are designed in accordance with ASME Section VIII, Div. I Appendix II and/or ASME B16.5.
- Over-the-top flow design complete with machined basket seats eliminate the possibility of dirty fluid by-pass.
- Standard basket construction is 304 SS perforated plate.
- Recommended lower straining level is 40 microns.
- N.P.T. drain connection furnished with plug.
- Recommended for installation in horizontal pipelines.
- Generous screen area and properly proportioned outer annulus minimize pressure drop while maximizing time between cleanings.

Parts List and Standard Materials			
Part	Cast Iron	Carbon Steel	Stainless Steel
Body	A126-B	A216-WCB	A351-CF8M
Cover	A126-B	A216-WCB	A351-CF8M
Screen <sup>1</sup>	304 SS	304SS	304 SS
Plug <sup>2</sup>	A126-B	A105	A182-316
Gasket <sup>1</sup>	Buna-N O-Ring	Bolted Cover: 304 SS Spiral Wound	Bolted Cover: 304 SS Spiral Wound
Bolt/Stud <sup>2</sup>	A307-B	A193-B7	A193-B8-1
Nut <sup>2</sup>	A563	A194-2H	A194-8

Notes: 1. Recommended Spare Parts  
2. Materials of equivalent strength may be substituted at manufacturer's option.

Upper Pressure Limits (Non-Shock)		
Threaded Model	Body Material	M.A.W.P. psig (Bars)
B125TIB2	A126-B	200 (13.79)
B300TSB2	WCB	740 (51.02)
B300TSSB2	CF8M	720 (49.64)
Lower Temperature Limits		
Body Material		Lower Limit °F (°C)
A126-B		-20 (-28.9)
WCB		
CF8M		

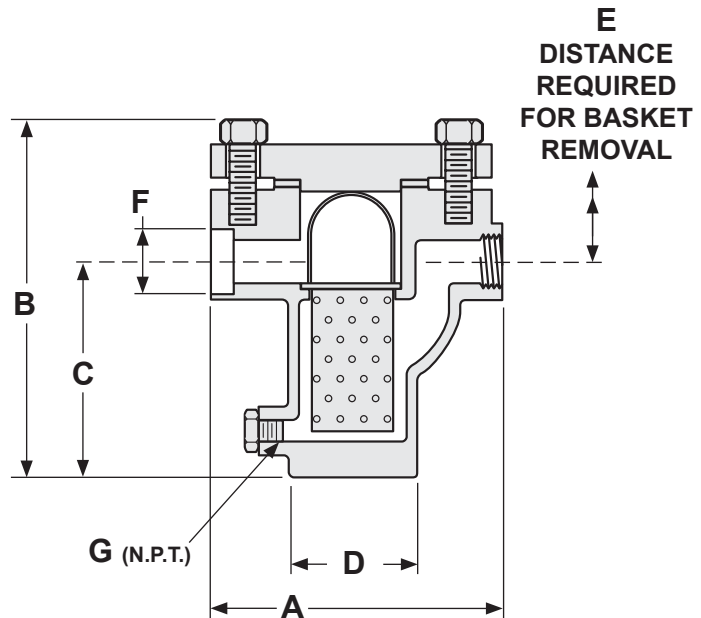
### Pressure Temperature Chart (in accordance with ASME B16.1 & ASME B16.5, WCB)



Note: 1. Graphite filled 304 SS Spiral Wound gaskets limited to 900°F in an oxidizing atmosphere. When operating Series 300B strainers at higher temperatures, please consult factory.  
2. Upon prolonged exposure to temperatures above 800°F, the carbide phase of carbon steel may be converted to graphite.

## Series B125 Threaded and Series B300 Style2 Socket Weld Basket Strainers

Standard Screens	
Size Range in (mm)	Opening in (mm)
1/2"-1-1/2" (15-40)	0.032 (0.8)
2" (50)	0.045 (1.2)



Dimensional Data (Class 125-150)																
Nom. Size in (mm)	Dim. A in (mm)		Dim. B in (mm)		Dim. C in (mm)		Dim. D in (mm)	Dim. E in (mm)		Dim. F in (mm)	Dim. G in (mm)		Weight Lb. (kg.)			
	B125	B300	B125	B300	B125	B300		B125	B300	B300	B125	B300	Cover		Unit	
1/2 (15)		6.13 (156)		7.06 (179)		4 (102)	3.63 (92)	7.13 (181)	5.75 (146)	0.855 (21.72)	3/8 (10)	3/8 (10)	3 (1.4)	6 (2.7)	10 (4.5)	18 (8.2)
3/4 (20)	6.75 (171)	6.75 (171)	8.50 (216)	8.38 (213)	5.38 (137)	5 (127)		7.88 (200)	7.44 (189)	1.065 (27.05)	1/2 (15)	1/2 (15)	6 (2.7)	8 (3.6)	18 (8.2)	24 (10.9)
1 (25)			10.75 (273)	11.88 (302)	8.38 (213)	5.38 (137)		5 (127)	7.88 (200)	7.44 (189)		1.330 (33.78)	3/4 (20)	8 (3.6)	12 (5.4)	30 (13.6)
1-1/4 (32)	8.50 (216)	8.13 (206)	10.75 (273)	11.88 (302)	7.13 (181)	7.75 (197)	4.25 (108)	10.50 (267)	11.06 (281)	1.675 (42.55)		1/2 (15)	1/2 (15)	6 (2.7)	8 (3.6)	18 (8.2)
1-1/2 (40)										1.915 (48.64)	3/4 (20)	3/4 (20)	8 (3.6)	12 (5.4)	30 (13.6)	43 (19.5)
2 (50)	9.75 (248)	9.00 (229)		12.38 (314)			5.25 (133)	11.00 (279)	11.69 (297)	2.406 (61.11)	1-1/4 (32)	1 (25)	13 (5.9)	16 (7.3)	50 (22.7)	50 (26.3)
2-1/2 (65)	11.5 (292)	N/A	15.25 (387)	N/A	9.13 (232)	N/A	6.63 (168)	13.25 (337)	N/A	N/A	1-1/4 (32)	N/A	17 (7.7)	N/A	62 (28.1)	N/A
3 (80)								13.50 (343)								

**Notes:**

- Vents are optional.
- Dimension "C" will change when Quick Opening covers are used.
- B125 Strainers are only available with a style R rotating cover.
- B125 Strainers are complete with bottom drains.
- B300 Strainers are complete with side drains, bottom drains are optional.
- Dimension "F" applies to series B300 only.
- Dimensions shown are subject to change. Consult factory for certified prints when required.