



FLOW SOLUTIONS INTERNATIONAL INC

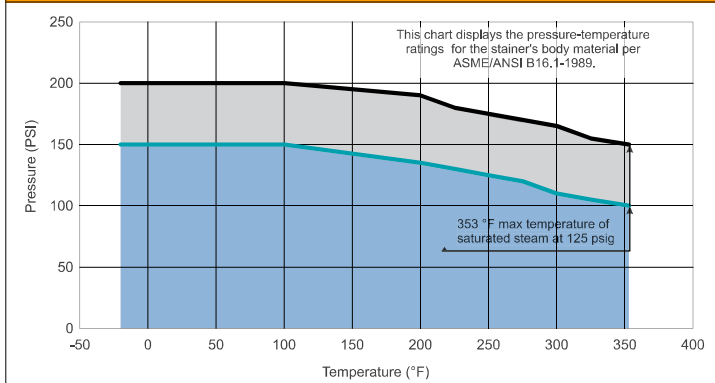
SIMPLEX BASKET STRAINER

ANSI CLASS 125 LBS - FLANGED ENDS
MODEL: BS125-CI



TECHNICAL

PRESSURE-TEMPERATURE: CAST IRON ASTM A126 Gr. B Class 125

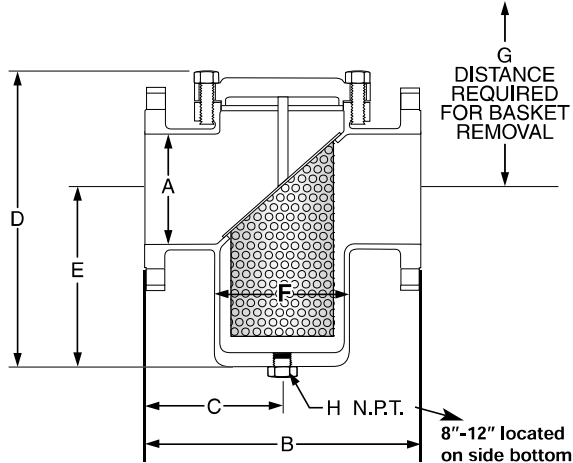


WORKING PRESSURES & TEMPERATURE - NON-SHOCK

ANSI125lbClass	BS125-CI
WOG (Water, Oil, Gas)	200PSI@150°F
Saturated Steam	125PSI@353°F
MAX Liquid	125PSI@450°F

FEATURES

- TOP REMOVAL OF STRAINING ELEMENT PERMITS EASY ACCESS DURING CLEANING
- BOW-SHAPED STRAINING ELEMENT HANDLE ASSURES TIGHT SEAL IN BASKET SEAT
- INLET AND OUTLET FLANGE BOSSES ARE PROVIDED FOR GAUGE TAPS ON LARGER SIZES
- PLUGGED BOTTOM DRAIN/BLOW-OFF CONNECTION IS STANDARD ON BOTH MODELS
- OPTIONAL OPEN BOTTOM BASKET DESIGN ALLOWS FOR AUTOMATIC OR MANUAL BLOW-OFF VALVE INSTALLATION
- STRAIGHT THROUGH FLOW DESIGN RESULTS IN EXCEPTIONAL PRESSURE MAINTENANCE
- OPEN AREA IS MANY TIMES GREATER THAN CORRESPONDING PIPE SIZE HELPS TO ASSURE MINIMAL PRESSURE LOSS
- EPOXY PAINTING IS STANDARD ON BOTH UNITS
- USED FOR APPLICATIONS WHERE DEBRIS LOADING IS HIGH AND CONTINUOUS
- REMOVABLE LEG BRACKETS ARE AVAILABLE ON LARGER SIZES (8" ~ 12")



Basket Strainer shall have straight flow with an angular basket. The Basket Strainer shall be cast iron rated to ASME Class 125 designed in accordance with B16.1. The screen shall be size _____ perforated stainless steel. The Strainer shall have an inlet size of _____ and open area ratio of _____. The Basket Strainer shall be FSI BS125 Series.

MATERIALS OF CONSTRUCTION

BodyCast Iron A126-B
CoverCast Iron A126-B
Screen¹304 SS
Plug²Cast Iron A126-B
Gasket¹Graphite³
Bolt/Stud²A307-B
Nut²A563

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

SIZE	A	B	C	D*	E	F	G	H**	WEIGHT	
									Cover	Unit
2 (50)	2 (51)	8 $\frac{1}{8}$ (206)	4 $\frac{1}{8}$ (103)	9 $\frac{1}{8}$ (230)	5 (127)	2 $\frac{1}{8}$ (75)	11 $\frac{3}{4}$ (298)	$\frac{1}{2}$ (15)	5 (2.3)	23 (10)
2 $\frac{1}{2}$ (65)	2 $\frac{1}{2}$ (64)	8 $\frac{1}{4}$ (210)	4 $\frac{1}{2}$ (106)	9 $\frac{3}{8}$ (249)	6 (152)	4 (102)	13 $\frac{3}{4}$ (337)	$\frac{3}{4}$ (20)	7 (3.2)	33 (15)
3 (80)	3 (76)	9 $\frac{1}{8}$ (251)	4 $\frac{1}{2}$ (125)	12 $\frac{1}{8}$ (310)	7 $\frac{1}{8}$ (181)	5 (127)	15 $\frac{1}{2}$ (391)	$\frac{3}{4}$ (20)	9 (4)	44 (20)
4 (100)	4 (102)	11 $\frac{1}{2}$ (292)	5 $\frac{1}{2}$ (146)	13 $\frac{3}{8}$ (346)	8 (203)	5 $\frac{1}{8}$ (148)	17 $\frac{1}{2}$ (451)	1 (25)	13 (6)	67 (30)
5 (125)	5 (127)	13 $\frac{1}{8}$ (333)	6 $\frac{1}{8}$ (167)	14 $\frac{1}{8}$ (370)	8 $\frac{1}{2}$ (216)	7 $\frac{1}{8}$ (179)	20 $\frac{1}{2}$ (521)	1 (25)	20 (9)	88 (40)
6 (150)	6 (152)	14 $\frac{1}{8}$ (378)	7 $\frac{1}{8}$ (189)	15 $\frac{1}{8}$ (400)	9 (229)	7 $\frac{1}{8}$ (202)	23 (584)	1 (25)	26 (12)	120 (54)
8 (200)	8 (203)	18 $\frac{1}{8}$ (475)	9 $\frac{1}{8}$ (238)	19 $\frac{1}{8}$ (506)	12 (305)	9 $\frac{7}{8}$ (250)	30 (762)	1 $\frac{1}{2}$ (40)	45 (20)	220 (100)
10 (250)	10 (254)	20 $\frac{1}{8}$ (511)	10 (254)	26 (660)	13 $\frac{3}{8}$ (335)	12 $\frac{1}{8}$ (313)	35 $\frac{1}{2}$ (902)	1 $\frac{1}{2}$ (40)	70 (32)	353 (160)
12 (300)	12 (305)	26 $\frac{1}{8}$ (679)	13 $\frac{3}{8}$ (340)	30 $\frac{1}{8}$ (765)	16 $\frac{1}{2}$ (412)	15 $\frac{1}{8}$ (390)	42 $\frac{1}{2}$ (1080)	2 (50)	110 (50)	523 (237)
14 (350)	14 (356)	30 $\frac{1}{8}$ (768)	15 $\frac{1}{8}$ (384)	37 $\frac{1}{2}$ (953)	22 (559)	18 (457)	53 (1346)	1 $\frac{1}{2}$ (40)	140 (64)	815 (370)
16 (400)	16 (406)	33 $\frac{1}{8}$ (841)	16 $\frac{1}{8}$ (422)	39 $\frac{1}{2}$ (1003)	22 $\frac{1}{8}$ (581)	20 $\frac{1}{8}$ (527)	55 $\frac{1}{8}$ (1413)	2 (50)	180 (82)	1041 (472)
18 (450)	18 (457)	38 $\frac{1}{8}$ (978)	19 $\frac{1}{8}$ (489)	40 (1016)	19 (483)	24 $\frac{1}{8}$ (616)	61 (1549)	2 (50)	220 (100)	1446 (656)
20 (500)	20 (508)	41 $\frac{1}{8}$ (1051)	20 $\frac{1}{8}$ (525)	46 $\frac{1}{8}$ (1175)	23 $\frac{1}{8}$ (591)	26 $\frac{1}{8}$ (673)	69 $\frac{1}{8}$ (1759)	2 (50)	285 (129)	1980 (898)

REFERENCED STANDARDS

Design	ANSI B16.1
Shell Wall Thickness	ANSI B16.1
Pressure vs. Temp. Rating	ANSI B16.1

TESTING: Strainers are individually, hydrostatically tested at 1.5 x the 100 °F rating, rounded off to the next higher 25 PSI measurement .

Ordering Code: _____ Size: _____
Customer/Project: _____
Inq./P.O. No.: _____
FSI Order No.: _____
Certified By: _____ Date: _____

Engineering Specification Submittal

BASKET STRAINER • MODEL: BS125-CI

Size	Model Number	Description	Drawing No.
			CI-BS125-O807