

Series B0 Inverted Bucket Traps

The Series B0 Inverted Bucket Traps are designed for a wide range of industrial applications including unit heaters, laundry and process equipment and steam line drip traps.

These cast iron inverted bucket traps operate efficiently for long periods of time to add solid energy savings by lowering replacement and labor costs. They are fully repairable for even bigger maintenance savings.

Typical Applications:

- Drip traps in steam lines
- Tracer lines
- Process equipment
- Steam cookers
- Steam kettles
- Steam heated vats
- Pressing machinery
- Unit heaters
- Commercial dishwashing

Features:

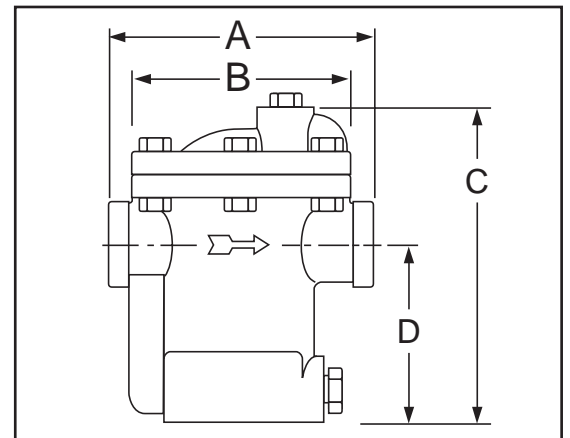
- Available in sizes 1/2" and 3/4" NPT
- Pressure ratings 20, 80, 125 and 150 psig (1.4, 5.5, 8.6, and 10.3 bar)
- Removable covers for easy in-line service
- Stainless steel internal components
- Resistant to moderate water hammer
- Optional built-in strainer to reduce the number of piping connections
- Maximum capacities to 690 lbs/hr (313 kg/hr)
- Maximum temperature 450°F (232°C)
- Maximum allowable pressure (vessel design) 250 psig (17.3 bar)
- Maximum operating pressure 150 psig (10.3 bar)



Series B0 Inverted Bucket Trap

Materials of Construction	
Part	Specifications
Body and cover	Cast Iron
Valve Pin and Seat	Stainless Steel (Hardened)
Bucket	Stainless Steel
Lever Assembly	Stainless Steel
Strainer	Stainless Steel
Cover Gasket	Non-asbestos fiber
Cover Bolts	Grade 8

Dimensions in. (mm)



NPT Size	A	B (Dia.)	C	D
1/2 & 3/4	5 ¹ / ₁₆ (129)	3 ³ / ₄ (95)	6 ³ / ₁₆ (157)	3 ¹ / ₂ (89)

Capacities (Gross Ratings)

Series	Orifice Size in. (mm)	Seat Pressure psi (bar)	Differential Pressure psig (bar)														
			1/2 (.035)	1 (0.07)	5 (0.35)	10 (0.69)	15 (1.03)	20 (1.38)	30 (2.1)	40 (2.8)	50 (3.5)	60 (4.2)	80 (5.5)	100 (6.9)	125 (8.6)	150 (10.3)	
			Capacities lbs./hr (kg/hr)														
B0	3/16 (4.7)	20 (1.4)	200 (91)	270 (122)	450 (204)	560 (254)	640 (290)	690 (313)									
	1/8 (3.2)	80 (5.5)	80 (36)	110 (50)	200 (91)	300 (136)	360 (163)	420 (190)	500 (227)	540 (245)	580 (263)	620 (281)	690 (313)				
	7/64 (2.8)	125 (8.6)		55 (25)	90 (41)	145 (66)	195 (88)	260 (118)	345 (156)	400 (181)	442 (200)	485 (220)	565 (256)	640 (290)	680 (308)		
	3/32 (2.4)	150 (10.3)			70 (32)	110 (50)	150 (68)	200 (91)	270 (122)	310 (141)	345 (156)	380 (172)	440 (200)	480 (218)	540 (245)	570 (259)	

Ordering Information

Model (A) units are basic.

Model (S) units have built-in strainer.

NPT Model Number	NPT Size in.	Part Number	Seat Differential Pressure Rating		Body Design Pressure Rating		Weight	
			psi	(bar)	psi	(bar)	lbs.	(kg)
B0020A-2	1/2	404180	20	(1.4)	250	(17.3)	7	(3)
B0020S-2	1/2	404184	20	(1.4)	250	(17.3)	7	(3)
B0020A-3	3/4	404188	20	(1.4)	250	(17.3)	7	(3)
B0020S-3	3/4	404192	20	(1.4)	250	(17.3)	7	(3)
B0080A-2	1/2	404181	80	(5.5)	250	(17.3)	7	(3)
B0080S-2	1/2	404185	80	(5.5)	250	(17.3)	7	(3)
B0080A-3	3/4	404189	80	(5.5)	250	(17.3)	7	(3)
B0080S-3	3/4	404193	80	(5.5)	250	(17.3)	7	(3)
B0125A-2	1/2	404182	125	(8.6)	250	(17.3)	7	(3)
B0125S-2	1/2	404186	125	(8.6)	250	(17.3)	7	(3)
B0125A-3	3/4	404190	125	(8.6)	250	(17.3)	7	(3)
B0125S-3	3/4	404194	125	(8.6)	250	(17.3)	7	(3)
B0150A-2	1/2	404183	150	(10.3)	250	(17.3)	7	(3)
B0150S-2	1/2	404187	150	(10.3)	250	(17.3)	7	(3)
B0150A-3	3/4	404191	150	(10.3)	250	(17.3)	7	(3)
B0150S-3	3/4	404195	150	(10.3)	250	(17.3)	7	(3)

Hoffman Specialty



ITT Industries
Engineered for life

3500 N. Spaulding Avenue
Chicago, Illinois 60618
tel: 773 267-1600
fax: 773 267-0991
www.hoffmanspecialty.com

©2003 ITT Industries, Inc.
Printed in U.S.A. 7-03