

## 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:

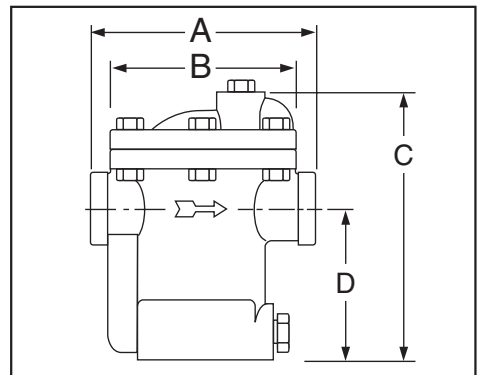
- Available in sizes 1/2" and 3/4" NPT
- Pressure ratings 20, 80, 125 and 150 psig (1.4, 5.5, 8.6, and 10.3 bar)
- Removable covers for easy in-line service
- Stainless steel internal components
- Resistant to moderate water hammer
- Optional built-in strainer to reduce the number of piping connections
- 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 (Specify the part number on your order)**

**Model (A)** units are basic.

**Model (S)** units have built-in strainer.

NPT Model Number	BSPT Model Number	Size in.	NPT Part Number	BSPT Part Number	Seat Differential Pressure Rating psi (bar)	Body Design Pressure psi (bar)	Weight lbs. (kg)
B0020A-2	B0020A-2J	1/2	404180	404131	20 (1.4)	250 (17.3)	7 (3)
B0020S-2	B0020S-2J	1/2	404184	404135	20 (1.4)	250 (17.3)	8 (3)
B0080A-2	B0080A-2J	1/2	404181	404132	80 (5.5)	250 (17.3)	9 (3)
B0080S-2	B0080S-2J	1/2	404185	404136	80 (5.5)	250 (17.3)	10 (3)
B0125A-2	B0125A-2J	1/2	404182	404133	125 (8.6)	250 (17.3)	11 (3)
B0125S-2	B0125S-2J	1/2	404186	404137	125 (8.6)	250 (17.3)	12 (3)
B0150A-2	B0150A-2J	1/2	404183	404134	150 (10.3)	250 (17.3)	13 (3)
B0150S-2	B0150S-2J	1/2	404187	404138	150 (10.3)	250 (17.3)	14 (3)
B0020A-3	B0020A-3J	3/4	404188	404139	20 (1.4)	250 (17.3)	15 (3)
B0020S-3	B0020S-3J	3/4	404192	404143	20 (1.4)	250 (17.3)	16 (3)
B0080A-3	B0080A-3J	3/4	404189	404140	80 (5.5)	250 (17.3)	17 (3)
B0080S-3	B0080S-3J	3/4	404193	404144	80 (5.5)	250 (17.3)	18 (3)
B0125A-3	B0125A-3J	3/4	404190	404141	125 (8.6)	250 (17.3)	19 (3)
B0125S-3	B0125S-3J	3/4	404194	404145	125 (8.6)	250 (17.3)	20 (3)
B0150A-3	B0150A-3J	3/4	404191	404142	150 (10.3)	250 (17.3)	21 (3)
B0150S-3	B0150S-3J	3/4	404195	404146	150 (10.3)	250 (17.3)	22 (3)