



Inverted Bucket Drain Traps (BVSW Model)

For Loads to 7,000 lb/hr (3,175 kg/hr)...Pressures to 650 psig (45 bar)



Armstrong inverted bucket drain traps are designed for systems where heavy oil and dirt may be encountered. The enlarged bucket vent equipped with a scrub wire (BVSW) keeps the drain trap operating under dirty conditions.

List of Materials

Table LD-9.				
BVSW Model No.	Body & Cap	Valve & Seat	Bucket & Leverage System	Gasket
800, 811, 812, 813, 880, 881, 882, 883, 211, 212, 213	Cast Iron ASTM A48 Class 30	Stainless Steel		Compressed Asbestos-free
312, 313	Forged Steel ASTM A105			
981, 983	Cast Steel ASTM A216 Grade WCB			



Physical Data

Table LD-10. Orifices, Maximum Operating Pressure (See Chart LD-12, page LD-30, for cold water capacities at various pressures)

Model No.	800 BVSW 880 BVSW		811 BVSW 881 BVSW 211 BVSW		812 BVSW 882 BVSW 212 BVSW		312 BVSW*		813 BVSW 883 BVSW 213 BVSW 313 BVSW* 983 BVSW*		981 BVSW*	
Orifice Size	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar	psi	bar
1/4	—	—	—	—	—	—	—	—	125	8.5	—	—
7/32	—	—	—	—	—	—	—	—	180	12.5	—	—
3/16	—	—	—	—	—	—	—	—	250	17	50	3.5
5/32	—	—	—	—	125	8.5	—	—	450	31	85	6
1/8	80	5.5	125	8.5	200	14	—	—	600	41	170	11
7/64	125	8.5	200	14	250	17	600	41	—	—	250	17
#38	150	10.5	250	17	—	—	—	—	—	—	330	22.5

NOTE: Larger capacity models available. Consult your local Armstrong Representative or the Armstrong factory.

* Use steel traps for pressures above 250 psi (17 bar).

Table LD-11. Armstrong 800 Series Drain Traps

Model No.	800 BVSW		811 BVSW		812 BVSW		813 BVSW	
Pipe Connections	in	mm	in	mm	in	mm	in	mm
	1/2, 3/4	15, 20	1/2, 3/4, 1	15, 20, 25	1/2, 3/4	15, 20	3/4, 1	20, 25
Test Plug	1/4	6	1/4	6	1/2	15	3/4	20
"A"	3-3/4	95	3-3/4	95	5-5/8	143	7	178
"B"	5-7/16	138	6-7/8	175	9-1/16	230	11-3/4	298
"C"	5	127	5	127	6-1/2	165	7-3/4	197
"D"	2-3/4	70	4-1/4	108	5-3/8	137	7-1/32	179
Number of Bolts	6		6		6		6	
Weight lbs (kg)	5 (2.3)		6 (2.7)		15 (6.8)		27-1/2 (13)	
Maximum Allowable Pressure (Vessel Design)	250 psig @ 450°F (17 bar @ 232°C)							
Max. Operating Pressure psi (bar)	150 (10.5)			250 (17)				

NOTE: Larger capacity models available. Consult your local Armstrong Representative or the Armstrong factory.