



Armstrong Machine Works

851 Maple Street Three Rivers, Mich.

Representatives
in All
Principal
Cities

Armstrong offers two types of traps for heating, air conditioning, and steam distribution service.

Standard Inverted Bucket Traps, the type originated by Armstrong, are non-airbinding and self-scrubbing. They are used for low, medium, and high pressure service where relatively little air must be handled along with the condensate. Their free-floating lever design makes it possible to open very large discharge orifices compared with the size of the trap itself.

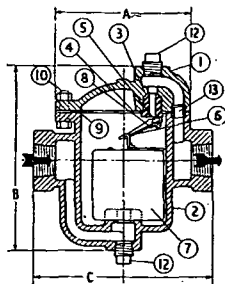
Armstrong Blast Traps are used where large amounts of air must be vented quick-

ly when steam is first turned on. They have several advantages over the conventional float and thermostatic trap.

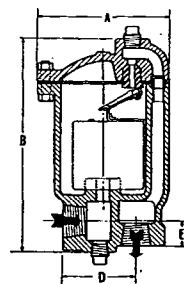
1. The Armstrong Blast Trap has but a single orifice to be maintained tight against the full pressure differential.

2. **Positive action.** The discharge valve in an Armstrong Blast Trap is either wide open or tight shut. Fast opening and fast closing prevent wire-drawing.

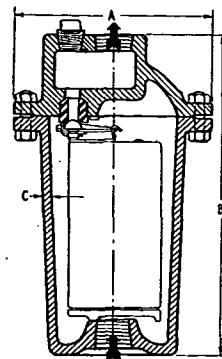
3. **Handles dirt.** There are no dead spots in an Armstrong Trap in which dirt can settle and interfere with the operation of the trap.



Cross-section of No. 800, 811, 812 and 813 traps for straight-through pipe connections.



Cross-section of No. 801 trap for standard angle pipe connections.



No. 811-816, Bottom inlet Type

Side Inlet Traps

Trap Size	No. 800	No. 811	No. 812	No. 813	No. 801
Pipe Connections	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	3/4" or 1"	1/2" or 3/4"
List Price (Regular)	\$7.00	\$10.00	\$16.00	\$22.00	\$7.00
List Price (Blast Trap)	\$8.50	\$11.50	\$18.00	\$24.00	\$8.50
Telegraph Code (Regular)	Alice	Brown	Cherry	Dawn	Arrow
Telegraph Code (Blast Trap)	Aloette	Brownette	Cherette	Dawnette	Arrowette
Dimension A	3 3/4"	3 3/4"	5 1/4"	7"	3 3/4"
" B	5 1/2"	6 1/2"	8 1/4"	11 1/4"	6"
" C	5 1/2"	6 1/2"	8 1/4"	11 1/4"	6"
" D	6"	6"	6"	6"	6"
" E	6"	6"	6"	6"	6"
Number of Bolts	6	6	6	6	6
Diameter of Bolts	1/4"	1/4"	3/8"	1/2"	1/4"
Weight	4 1/2 lbs.	5 1/2 lbs.	13 1/2 lbs.	25 lbs.	4 1/2 lbs.
Maximum Pressure, lbs.	125	250	250	250	125
Continuous discharge capacity in lb of water per hour at pressure indicated. For more complete information see the Capacity Chart in Armstrong Steam Trap Book.	5 10 15 20 30 50 70 100 125 150 200 250	450 560 640 690 800 840 950 950 1000 1000 1100 1200 1300	830 950 1060 1180 1290 1400 1510 1620 1730 1840 1950 2060 2170	1600 1900 2100 2300 2500 2700 2900 3100 3300 3500 3700 3900 4100	450 560 640 690 800 840 950 950 1000 1000 1100 1200 1300

UNIT HUMIDIFIERS Steam Type



Armstrong Steam Type Unit Humidifiers offer a low-cost, practical method of preventing the evils of winter heating dry air. Improve worker comfort and safety; prevent drying out of materials. Write for new Bulletin No. 158.

Armstrong Machine Works

Heating Systems • Specialties

Offered in Side Inlet and Bottom Inlet Styles



No. 813



No. 812



No. 811



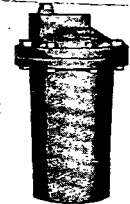
No. 800



No. 811



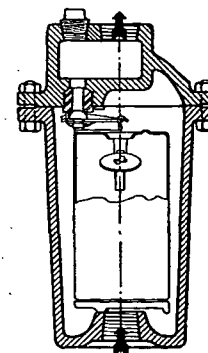
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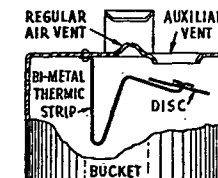
No. 813

4. The wearing parts in all Armstrong Traps are identical in design, material, and precision workmanship with parts used in Armstrong Forged Steel Traps for pressures up to 1500 lb gage and total temperatures of 850 F.

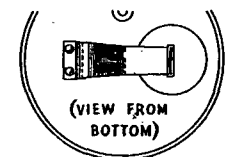
Armstrong Steam Trap Book. This 36 page book gives complete information on all sizes and types of Armstrong Traps. It also contains 17 pages of data on the subject of trap selection, installation, and maintenance. A free copy will be mailed on request.



No. 811-816, Blast Type



FOR
BLAST
TRAP
JOBS



ALL Armstrong traps are readily convertible into "Blast" type traps merely by using buckets equipped with the patented auxiliary thermic air vent. As shown in the above sketches, the mechanism for this vent consists of a stainless steel disc slotted to receive the end of a bi-metal strip. Different coefficients of expansion in the bi-metal cause it to bend down when cold and up when hot. Normally, it is set to close at 212 deg, but it can be set to close at higher temperatures. Capacity, 50 to 100 times the air-venting capacity of a standard trap.

Bottom Inlet Traps

Trap Size	No. 211	No. 212	No. 213	No. 214	No. 215	No. 216
Pipe Connections	1/2"	1/2" or 3/4"	1/2" or 3/4"	1"	1" or 1 1/4"	1 1/4" or 2"
List Price (Regular)	\$ 9.25	\$15.00	\$20.75	\$29.00	\$38.00	\$55.00
List Price (Blast Trap)	\$10.75	\$17.00	\$22.75	\$31.50	\$40.50	\$60.00
Telegraph Code (Regular)	Asper	Birch	Walnut	Hemlock	Larch	Tamarack
Telegraph Code (Blast Trap)	Aspette	Birette	Walette	Hemlette	Larette	Tamrette
Height - Dimension B	8 1/2"	8"	10 1/4"	12 1/4"	14"	16 1/4"
Diameter - Dimension A	4 1/4"	5"	6 1/4"	7 1/4"	8 1/4"	10 1/4"
Wall Thickness - Dimension C	3/8"	1/2"	5/8"	3/4"	7/8"	1"
Diameter of Bolts	1/2"	1/2"	3/4"	1/2"	3/4"	1/2"
Number of Bolts	6	8	16	32	47	80
Weight	9 1/2 lb	10 1/2 lb	19 lb	32 lb	47 lb	80 lb
Maximum Pressure, lb.	250	250	250	250	250	250
Continuous discharge capacity in lb of water per hour at pressure indicated. For more complete information, see the Capacity Chart in the Armstrong Steam Trap Book.	5 10 15 20 30 50 70 100 125 150 200 250	830 1600 2100 2500 3000 3500 4000 4500 5000 5500 6000 6500	2900 3500 3900 4300 4700 5100 5500 5900 6300 6700 7100 7500	4800 5800 6800 7800 8800 9800 10800 11800 12800 13800 14800 15800	7600 9000 10400 11800 13200 14600 16000 17400 18800 20200 21600 23000	14500 17500 19200 21000 22800 24600 26400 28200 30000 31800 33600 35400