



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.

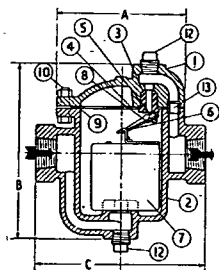
Armstrong Blast Traps are used where large amounts of air must be vented quick-

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

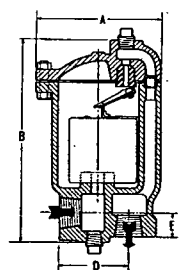
1. The Armstrong Blast Trap has but a *single orifice* to be maintained tight against the full pressure differential.

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.

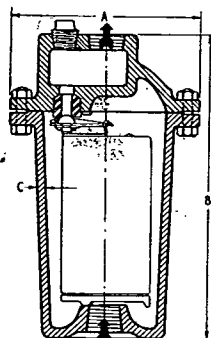
3. *Handles dirt*. There are no dead spots in an Armstrong Trap in which dirt can settle and interfere with the operation of the trap.



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. 211-216, 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)	Aloe	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 1/2"	11 1/4"	6"
" C	5"	5"	6 1/4"	7 3/4"	5 1/4"
" D					2 1/4"
Number of Bolts	6	6	6	6	6
Diameter of Bolts	1/2"	1/2"	3/4"	1/2"	1/2"
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.					
Lb Pressure	5	450	830	1600	2900
10	560	950	1900	3500	560
15	640	1060	2100	3900	640
20	690	1100	2200	4100	690
30	800	1200	2400	4500	800
40	880	1300	2600	4900	880
50	950	1400	2800	5300	950
60	1000	1500	3000	5700	1000
70	1060	1600	3200	6100	1060
80	1100	1700	3400	6500	1100
90	1150	1800	3600	6900	1150
100	1200	1900	3800	7300	1200
125	1300	2100	4100	7900	1300
150	1400	2300	4500	8500	1400
200	1600	2700	5100	9700	1600
250	1800	3100	5700	10900	1800

*See Note at right.

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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.

Offered in Side Inlet and Bottom Inlet Styles



No. 815



No. 812



No. 811



No. 800



No. 811



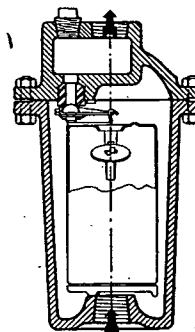
No. 812



No. 213

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 2400 psi 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. 211-216, Blast Type

Armstrong Steam Type Humidifiers

For use during the heating season, when relative humidity is low, moisture absorbing materials dry out, and static electricity accumulations are sources of fires and explosions.

Operation is automatic and dependable. Relative humidity is maintained within close limits. Operating costs are very low, installation costs moderate, and maintenance costs are low.

Both air operated and electrically operated models available with capacities to 850 lb steam per hr. Send for Bulletin 158.



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 1/2" 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)	Aspen	Birch	Walnut	Hemlock	Larch	Tamarack
Telegraph Code (Blast Trap)	Aspette	Birette	Walsette	Hemlette	Larrette	Tamrette
Height	6 3/4"	8"	10 1/4"	12 1/4"	14"	16 3/4"
Dimension B	4 1/4"	5"	6 3/4"	7 3/4"	8 3/4"	10 3/4"
Diameter	3/4"	1"	1 1/4"	1 3/4"	2"	2 1/2"
Wall Thickness	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
Diameter of Bolts	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Number of Bolts	6	8	8	8	8	12
Weight	5 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.						
Lb Pressure	5	830	1600	2900	4800	14500
10	950	1900	3500	5800	9000	17300
15	1060	2100	3900	6500	10000	19200
20	880	1800	3500	6000	8500	18500
30	1000	2050	4000	6800	9800	18000
40	840	1900	4100	6300	9000	18200
50	950	2200	3800	6000	9300	18300
60	860	1800	3600	6200	10400	18000
70	950	2000	3900	6700	10900	20000
80	810	1500	3500	5700	9500	18500
90	860	1600	3200	5300	9200	17500
100	760	1300	3500	5700	7000	19000