



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.

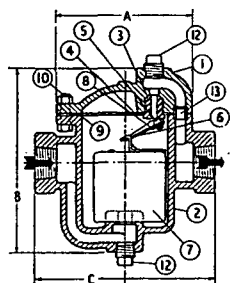
Armstrong Blast Traps are used where large amounts of air must be vented quick-

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

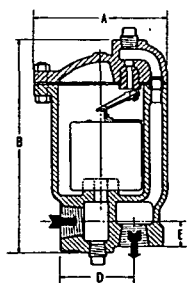
1. The Armstrong Blast Trap has but a *single orifice* to be maintained tight against the full pressure differential.

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.

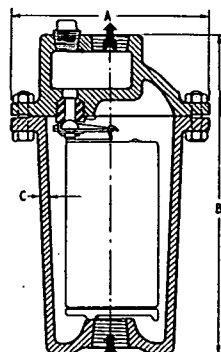
3. *Handles dirt*. There are no dead spots in an Armstrong Trap in which dirt can settle and interfere with the operation of the trap.



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 1/4"	6 1/4"	8 1/4"	11 1/4"	6"
" C	5"	6"	8"	11"	6"
" D	6"	6"	6"	6"	2 1/4"
" E	6"	6"	6"	6"	1 1/4"
Number of Bolts	4	6	6	6	6
Diameter of Bolts	1/4"	1/4"	1/4"	1/4"	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 40 50 60 70 80 100 125 150 200 250	450 560 640 690 800 880 950 1000 1060 1100 1150 1200 1250 1300	830 950 1060 1100 1150 1200 1250 1300 1350 1400 1450 1500 1550 1600	1600 1900 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300	450 560 640 690 800 880 950 1000 1060 1100 1150 1200 1250 1300



No. 800



No. 801

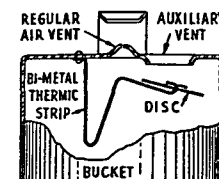
MATERIALS USED IN ARMSTRONG TRAPS

Part No.	Name	Material
1 & 2	Cap and Body	Cast Semi-Steel, 33,000 lb tensile strength
3	*Seat	Chrome Steel
4	Guide Plate Pins	Stainless Steel
5	*Valve	Chrome Steel
6	Lever	Stainless Steel
7	Bucket (drawn in one piece for No. 800, 801, 211 and 212)	Stainless Steel
8	Retainer	Stainless Steel
9	Gasket	Compressed Asbestos 1/2"
10	Bolts and Nuts	Steel 90,000 lb minimum tensile
11	Thermic Vent	Stainless Bi-metal and Stainless Steel
12	Test Plug	Steel

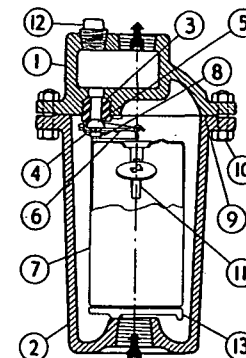
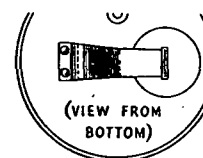
*Valve and Seat are heat treated after machining.

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.



FOR
BLAST
TRAP
JOBS



No. 211-216, Blast Type

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 1/2" 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	Walette	Hemlette	Larette	Tamrette
Height	6 1/4"	8"	10 1/4"	12 1/4"	14"	16 1/4"
Dimension A	6 1/4"	8"	10 1/4"	12 1/4"	14"	16 1/4"
Diameter	5"	6 1/4"	8"	10"	12"	14"
Wall Thickness	1/4"	1/4"	1/4"	3/8"	1/2"	5