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.

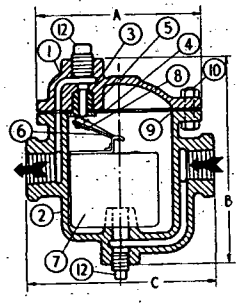
Standard Inverted Bucket Traps, the type originated by Armstrong, are *non-airbinding* and *self-scrubbing*. They are used for low, medium, and high pressure service where relatively little air must be handled along with the condensate. Their free-floating lever design makes it possible to open very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

Armstrong Blast Traps are used where large amounts of air must be vented quickly when steam is first turned on. They have several advantages over the conventional float and thermostatic trap.

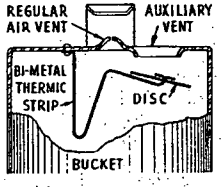
1. The Armstrong Blast Trap has but a *single orifice* to be maintained tight against the full pressure differential.

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.

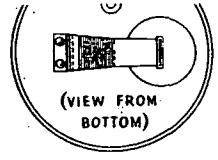
3. *Handles dirt.* There are no dead spots in an Armstrong Trap in which dirt can settle and interfere with the operation of the trap.



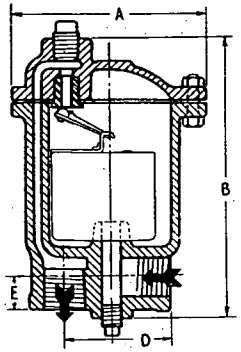
Cross-section of No. 200 (½") and No. 202 (¾") traps for straight-through connections.



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, 500 to 1500 cu ft of free air per hour depending on size of bucket.



Cross-section of No. 201 (½") and No. 203 (¾") traps for standard angle pipe connections.

Traps No. 200-203

Trap Size		No. 200	No. 201	No. 202	No. 203
Pipe Connections		½"	½"	¾"	¾"
List Price (Regular)		$7.00	$7.00	$7.00	$7.00
List Price (Blast Trap)		$8.50	$8.50	$8.50	$8.50
Telegraph Code (Regular)		Acacia	Acanthus	Quacia	Quanthus
Telegraph Code (Blast Trap)		Acacette	Acanette	Quacette	Quanette
Dimension A		3¾"	3¾"	3¾"	3¾"
" B		4¹¹⁄₁₆"	5⅜"	4¹¹⁄₁₆"	5⅜"
" C		4¼"	....	5"	....
" D		....	2"	....	2⅛"
" E		....	⅝"	....	¹¹⁄₁₆"
Number of Bolts		6	6	6	6
Diameter of Bolts		¼"	¼"	¼"	¼"
Weight		4 lb	4 lb	4 lb	4 lb
Maximum Pressure, lb		125	125	125	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	450	450	450	450
	10	560	560	560	560
	15	640	640	640	640
	20	690	690	690	690
	30	500	500	500	500
	50	580	580	580	580
	70	660	660	660	660
	100	640	640	640	640
	125	680	680	680	680

Lb Pressure

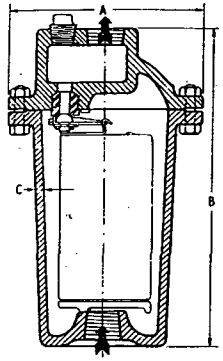
MATERIALS USED IN ARMSTRONG TRAPS

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 18-8
5	*Valve	Chrome Steel
6	Lever	Stainless Steel 18-8
7	Bucket	Brass or Stainless Steel
8	Retainer	Stainless Steel 18-8
9	Gasket	Compressed Asbestos ½"
10	Bolts and Nuts	Steel 90,000 lb minimum tensile
11	Thermic Vent	Stainless Bi-metal and Stainless Steel
12	Test Plug	Steel
13	Bucket Weight	Cast Iron

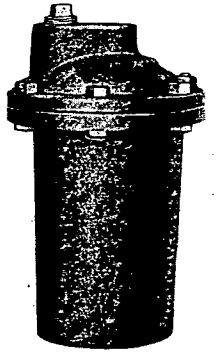
*Valve and Seat are heat treated after machining.

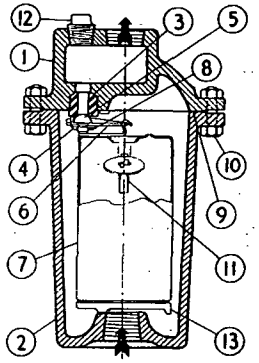
4. The wearing parts in all Armstrong Traps are identical in design, material, and precision workmanship with parts used in Armstrong Forged Steel Traps for pressures up to 1500 lb gage and total temperatures of 850 F.

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.



No. 211-216, Standard Type





No. 211-216, Blast Type

Traps No. 211-216

Trap Size		No. 211	No. 212	No. 213	No. 214	No. 215	No. 216
Pipe Connections		½"	½" or ¾"	½" or ¾"	1"	1" or 1¼"	1½" 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 Dimension B		6⅜"	8"	10¼"	12½"	14"	16¾"
Diameter " A		4⅛"	5"	6⅜"	7½"	8½"	10⅝"
Wall Thickness " C		⅜"	¼"	⅝"	⅜"	⅜"	⅜"
Diameter of Bolts		¼"	¼"	⅜"	⅜"	½"	½"
Number of Bolts		6	8	6	8	8	12
Weight		5½ lb	10½ lb	19 lb	32 lb	47 lb	80 lb
Maximum Pressure		200	200	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	830	1600	2900	4800	7600	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
	50	840	1900	4100	6300	9000	18200
	70	950	2200	3800	6000	9200	18300
	100	860	1800	3600	6200	10400	18000
	125	950	2000	3900	6700	10900	20000
	150	810	1500	3500	5700	9500	18500
	200	860	1600	3200	5300	9200	17500
	250	900	1680	3500	5700	7000	19000

Lb Pressure