Armstrong Machine Works

851 Maple Street, Three Rivers, Mich.

Representatives in Principal Centers

Steam Traps . . . Air and Air Relief Traps . . .
Steam Humidifiers . . . Refrigerant Purgers

All Armstrong Products are Sold on a Basis of Satisfaction or Your Money Back

Traps Stocked by 39 Factory Representatives and 135 Jobbers; Available Through Any Jobber.

ARMSTRONG INVERTED BUCKET STEAM TRAPS

APPLICATIONS. Armstrong manufactures inverted bucket steam traps for any pressure from 0 to 2400 psig; for discharging to high pressure, gravity or vacuum returns; for draining mains, risers, coils, heaters, radiators, unit heaters and process equipment.

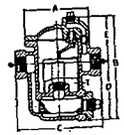
FEATURES. High Quality Mechanisms in Armstrong traps for low and medium pressures are identical in design, workmanship and materials to those used in traps for 950 psi, 900F.

Automatic Air Discharge. Standard traps discharge normal amounts of air along with condensate. "Blast" traps with thermic bucket vents discharge at rates from 500 to 1500 cu ft free air per hour when steam is first turned on.

High Capacity for Size. The patented free-floating lever mechanism makes possible wide opening of discharge orifices large for overall trap size and price. Armstrong capacity ratings, based on actual tests with hot condensate, are entirely reliable.



No. 800-814



No. 880-881



No. 811-216

Side Inlet Traps		No. 800	No. 811	No. 812	No. 813	No. 814		
Pipe Connections		½" or ¾"	½" or ¾"	½" or ¾"	¾" or 1"	1" or 1¼"		
List Price (Regular)		$10.00	$14.00	$23.00	$31.00	$46.00		
List Price (Blast Trap)		$12.00	$16.00	$26.00	$34.00	$49.50		
Telegraph Code (Regular)		Aloe	Brown	Cherry	Dawn	Ester		
Telegraph Code (Blast Trap)		Aloette	Brownette	Cherette	Dawnette	Estette		
Height		5⅛"	6⅛"	8⅝"	11¼"	13⅜"		
Diameter		5"	5"	6½"	7¾"	8"		
Number of Bolts		6	6	6	6	8		
Diameter of Bolts		¼"	¼"	⅜"	½"	½"		
Weight		5 lbs.	6 lbs.	15 lbs.	27 lbs.	45 lbs.		
Maximum Pressure, lbs.		150	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 Armstrong Steam Trap Book.	Lb. Pressure 5	450	830	1600	2900	4800	7600	14500
	10	560	950	1900	3500	5800	9000	17300
	15	640	1060	2100	3900	6500	10000	19200
	20	690	880	1800	3500	6000	8500	18500
	30	500	1000	2050	4000	6800	9800	18000
	50	580	840	1900	4100	6300	9600	18200
	70	660	950	2200	3800	6000	9200	18300
	100	640	860	1800	3600	6200	10400	18000
	125	680	950	2000	3900	6700	10900	20000
	150	570	810	1500	3500	5700	9500	18500
	200	.....	860	1600	3200	5300	9200	17500
	250	.....	760	1300	3500	5700	7000	19000
Bottom Inlet Traps		.....	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)		.....	$13.00	$21.00	$29.00	$41.00	$55.00	$78.00
List Price (Blast Trap)		.....	$15.00	$24.00	$32.00	$44.50	$60.00	$85.00
Telegraph Code (Regular)		.....	Aspen	Birch	Walnut	Hemlock	Larch	Tamarack
Telegraph Code (Blast Trap)		.....	Aspette	Birette	Walette	Hemlette	Larette	Tamrette
Height		.....	6⅜"	8"	10¾"	12½"	14⅝"	17"
Diameter		.....	4¼"	5¼"	6⅝"	7½"	8½"	10⅝"
Diameter of Bolts		.....	⅜"	⅜"	⅜"	½"	½"	½"
Number of Bolts		.....	6	8	6	8	8	12
Weight		.....	6 lb	12 lb	21 lb	35 lb	47 lb	78 lb
Maximum Pressure, lb.		.....	250	250	250	250	250	250

Non-clogging. Swirling action of condensate carries dirt through trap. The larger sizes seldom require the extra cost of strainer protection.

Quick-Acting. Condensate and air are discharged as fast as they reach the trap, providing fast heatup and maximum temperatures.

CHOICE OF BODY STYLES. In the most commonly used sizes, Armstrong traps are available in several body styles to simplify, and reduce the cost of, installation.

Side Inlet Series. Traps number 800, 811, 812, 813, 814 have horizontal and opposite pipe connections. Capacities and mechanisms of 811, 812, 813, 814 are identical to bottom inlet traps 211, 212, 213, 214.

Integral Strainer Models. No. 880 and 881 traps have strainers in the trap body; otherwise identical to 800 and 811 traps. No. 880 lists at $11.50, 881 at $16.00. Both cost less to buy and install than a trap plus separate strainer.

Right Angle Trap. No. 801 capacity and price identical to No. 800 listed in table. For replacing old radiator traps or wherever angle connections are simplest.

Bottom Inlet Traps. No. 211 through 216 have bottom inlet top outlet connections.

TECHNICAL LITERATURE. (Available free upon request)

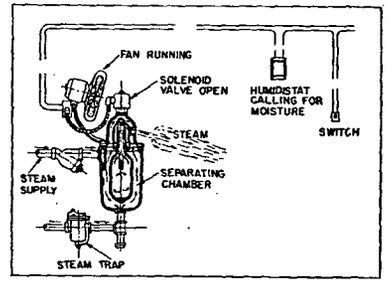
Catalog J. The Armstrong Steam Trap Book. 44 pages of data on trap selection, installation, maintenance and trouble-shooting for all classes of equipment.

How to Select Traps for Draining Unit Heaters—lists the Btu Output Ratings for all sizes and types of 30 makes of unit heaters in a convenient single source.

ARMSTRONG STEAM HUMIDIFIERS

For Stores, Offices, Hospitals, Factories, Laboratories





Operation. These units provide automatic, closely controlled humidification by introduction of steam directly into the room. Installation is comparable to unit heaters.

A solenoid discharge valve on the humidifier is controlled by a sensitive humidistat. A fan or venturi nozzle aids steam dispersal. Where an electric spark is an explosion hazard, air operated models are available. A large model for installation in air ducts and central heating systems is also made. Capacities range from 31 to 630 lbs/hr steam.

Advantages. Installation cost is as much as 80 per cent less than some types. The smallest unit, capable of humidifying up to 40,000 cu ft, lists at $182.25 complete with control. No extra load on the heating system. No dripping—any moisture in the steam is re-evaporated in the steam-jacketed separating chamber. Control is accurate within a few per cent R. H.

Bulletin No. 1775 gives complete data on required relative humidities, selection and installation of Humidifiers.

OTHER PRODUCTS (Bulletins free on Request)

Bulletin 2062—Armstrong ball float traps for venting air from hot water systems.

Bulletin 1921—Armstrong Purgers for discharging air, other non-condensable from refrigerating systems.

Bulletin 241—Armstrong liquid seals for refrigerating systems.