



Armstrong Machine Works

851 Maple Street, Three Rivers, Mich.

Steam Traps . . . Air Traps . . . Humidifiers
High Side Floats . . . Refrigerant Purgers

Representatives
in Principal
Centers

ARMSTRONG INVERTED BUCKET STEAM TRAPS

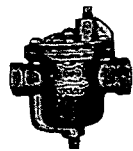
Armstrong offers a complete line of traps for draining low and high pressure steam headers, pipe coil radiation, unit heaters, air conditioning equipment, process equipment, etc., to gravity or vacuum return systems.

Automatic Air Discharge. Standard

NEW! Traps with integral strainers save fittings, labor. No. 880 with same capacity as No. 800 listed below is \$11.50. → No. 881 with same capacity as No. 811 is \$16.00. Both cost less than traps plus separate strainers.

Capacities, Prices, Dimensions

Note that capacities of No. 811, 812 and 813 traps are the same as No. 211, 212 and 213 respectively. On most installations, the engineer therefore has a choice of side inlet—side outlet or bottom inlet—top outlet body styles.

Side Inlet Traps		No. 800	No. 811	No. 812	No. 813	No. 211-216	
		$\frac{1}{2}$ " or $\frac{3}{4}$ "	$\frac{1}{2}$ " or $\frac{3}{4}$ "	$\frac{1}{2}$ " or $\frac{3}{4}$ "	$\frac{3}{4}$ " or 1"		
Pipe Connections.....		\$10.00	\$14.00	\$23.00	\$31.00		
List Price (Regular).....		\$12.00	\$16.00	\$26.00	\$34.00		
List Price (Blast Trap).....		Aloe	Brown	Cherry	Dawn		
Telegraph Code (Regular).....		Alcette	Brownette	Cherette	Dawnette		
Telegraph Code (Blast Trap).....		$5\frac{3}{4}$ "	$6\frac{1}{4}$ "	$8\frac{3}{4}$ "	$11\frac{1}{4}$ "		
Height.....		5"	5"	$6\frac{1}{2}$ "	$7\frac{3}{4}$ "		
Diameter.....		6	6	6	6		
Number of Bolts.....		$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "		
Diameter of Bolts.....		5 lbs.	6 lbs.	15 lbs.	27 lbs.		
Weight.....		150	250	250	250	No. 800-815	
Maximum Pressure, lbs.....							
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	14500
		10	560	950	1900	3500	17300
		15	640	1060	2100	3900	19200
		20	690	1100	2200	4000	18500
		30	750	1200	2400	4300	18000
		40	800	1250	2500	4500	18200
		50	840	1300	2600	4700	18300
		60	880	1350	2700	4900	18000
		70	920	1400	2800	5100	18200
		80	960	1450	2900	5300	18300
		100	1040	1550	3100	5700	18000
		125	1120	1650	3300	6100	20000
		150	1200	1750	3500	6500	18500
		200	1350	1950	3900	7300	17500
		250	1500	2200	4400	8200	19000
Bottom Inlet Traps		No. 211	No. 212	No. 213	No. 214	No. 215	No. 216
Pipe Connections.....		$\frac{1}{2}$ "	$\frac{1}{2}$ " or $\frac{3}{4}$ "	$\frac{1}{2}$ " or $\frac{3}{4}$ "	1"	1" or $1\frac{1}{4}$ "	$1\frac{1}{2}$ " 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	Wallette	Hemlette	Larette	Tamarette
Height.....		$6\frac{1}{4}$ "	8"	$10\frac{1}{4}$ "	$12\frac{1}{4}$ "	14"	16 $\frac{1}{4}$ "
Diameter.....		$4\frac{1}{2}$ "	5"	$6\frac{1}{2}$ "	$7\frac{1}{2}$ "	8 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "
Diameter of Bolts.....		$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"
Number of Bolts.....		6	8	12	16	20	24
Weight.....		6 lb	12 lb	21 lb	34 $\frac{1}{2}$ lb	47 lb	78 lb
Maximum Pressure, lb.....		250	250	250	250	250	250

High Capacity, Compact Size. The high leverage of the patented free-floating lever makes it possible to open discharge orifices which are very large for over-all trap size.

Positive Action. The discharge valve is either wide open or closed tight. Fast opening and closing prevent wire-drawing.

Self-Cleaning. Swirling action of condensate during discharge carries dirt

through trap. There are no dead spots for dirt to collect.

High Quality. 18-8 stainless interior parts. Valve and seat are chrome steel, hardened, ground and lapped. Low pressure trap parts same material and quality as those used for 1500 psi, 900° F.

Armstrong Steam Trap Book. 44 pages of data on traps, selection, installation and maintenance. A usable handbook for any engineer dealing with traps. Free copy on request.

TRAPS FOR UNIT HEATERS

Armstrong inverted bucket steam traps are particularly suitable for draining low or high pressure unit heaters to vacuum or gravity return systems for these reasons:

1. Air and CO₂ are vented automatically each time the trap opens—keeps heaters hot, helps prevent corrosion.
2. Condensate discharges at steam temperature as it accumulates—keeps heaters at maximum temperatures.
3. No build-up of back pressure in return lines.
4. Armstrong traps seldom require maintenance.

A Bulletin with Btu output figures for 24 makes of unit heaters explains how to select traps. Available upon request.

ARMSTRONG STEAM HUMIDIFIERS

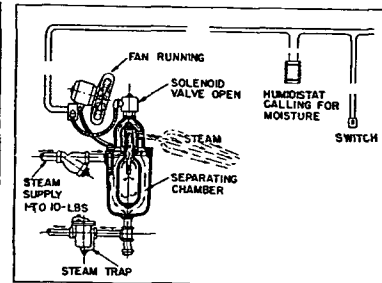
For Stores, Offices, Hospitals, Factories, Laboratories



Operation. These units provide automatic, closely controlled humidification by introduction of steam directly into the atmosphere. Installation is comparable to that of unit heaters. Steam at 15 psi or less is required.

A solenoid discharge valve on the humidifier is controlled by a sensitive humidistat. A fan mounted on the humidifier aids in steam dispersal, or a venturi nozzle can be supplied. Where an electric spark might represent an explosion hazard, compressed air operated models are available. In addition to the unit humidifier illustrated, there is a large model for installation in large air ducts and central heating systems. Capacities range from 31 to 630 lbs of steam per hour.

Advantages. Installation cost of Arm-



strong Humidifiers is as much as 80 per cent less than some types of equipment. The small C-2 unit lists at \$182.25 complete with fan and motor, humidistat, strainer and steam trap. Operation, using steam at around \$1.00 per ton, is economical. There is 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. 1773 gives complete data on required relative humidities, selection and installation of Humidifiers.

All Armstrong products are sold on a basis of satisfaction or your money back.