



Armstrong Machine Works

851 Maple Street, Three Rivers, Mich.

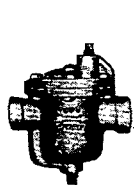
Steam Traps . . . Air Traps . . . Humidifiers
High Side Floats . . . Refrigerant Purgers

Representatives
in Principal
Centers

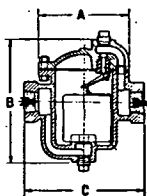
ARMSTRONG INVERTED BUCKET STEAM TRAPS

Armstrong offers a complete line of traps for draining low and medium pressure steam headers, pipe coil radiation, unit heaters, air conditioning equipment, process equipment, etc. Armstrong design and construction results in fast heating, uniformly high temperatures and long trap life with exceptionally low maintenance.

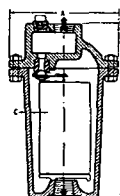
Automatic Air Discharge. Standard traps automatically discharge normal amounts of air along with condensate. Where large amounts of air must be vented quickly when steam is first turned on, Armstrong BLAST Traps with thermic bucket vents are recommended. Depending on size, air handling capacity ranges from 500 to 1500 cu ft free air per hour.



No. 800-813



No. 211-216



Side Inlet Traps		No. 800	No. 811	No. 812	No. 813	CAPACITIES, PRICES DIMENSIONS	
Pipe Connections		1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	3/4" or 1"	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.	
List Price (Regular)		\$7.00	\$10.00	\$16.00	\$22.00		
List Price (Blast Trap)		\$8.50	\$11.50	\$18.00	\$24.00		
Telegraph Code (Regular)		Aloe	Brown	Cherry	Dawn		
Telegraph Code (Blast Trap)		Alcette	Brownette	Cherry	Dawnette		
Dimension A		3 3/4"	3 3/4"	5 1/4"	7"		
" B		5 1/2"	5 1/2"	8 1/4"	11 1/4"		
" C		5 1/2"	5 1/2"	6 1/2"	7 1/4"		
" E							
Number of Bolts		6	6	6	6		
Diameter of Bolts		1/2"	1/2"	3/8"	1/2"		
Weight		4 1/2 lbs.	5 1/2 lbs.	13 1/2 lbs.	25 lbs.		
Maximum Pressure, lbs.		125	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.		5	450	830	1600	2900	4800
		10	560	950	1900	3500	5800
		15	640	1060	2100	3900	6500
		20	690	880	1800	3500	6000
		30	500	1000	2050	4000	6800
		50	580	840	1900	4100	6300
		70	660	950	2200	3800	6000
		100	640	860	1800	3600	6200
		125	680	950	2000	3900	6700
		150		810	1500	3500	5700
Bottom Inlet Traps		200		860	1600	3200	5300
		250		760	1300	3500	5700
							7000
							14500
							17300
							9000
							10200
							18500
							18000
							18200
							18300
							18000
							20000
							18500
							9200
							17500
							19000
Bottom Inlet Traps			No. 211	No. 212	No. 213	No. 214	No. 215
							No. 216
			1/2"	1/2" or 3/4"	1/2" or 3/4"	1"	1" or 1 1/4"
			\$ 9.25	\$15.00	\$20.75	\$29.00	\$38.00
			\$10.75	\$17.00	\$22.75	\$31.50	\$40.50
			Aspen	Birch	Walnut	Hemlock	Larch
			Aspette	Birette	Walette	Hemlette	Larette
			6 1/8"	8"	10 1/4"	12 1/2"	14"
			4 1/8"	5"	6 1/8"	7 1/2"	8 1/4"
			3 1/8"	1 1/4"	1 1/2"	3 1/8"	3 1/2"
			1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
			6	6	6	8	8
			5 1/2 lb	10 1/2 lb	19 lb	32 lb	47 lb
			250	250	250	250	250
							80 lb
							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. 36 pages of data on traps, selection, installation and maintenance. A usable handbook for any engineer dealing with traps. Free copy on request.

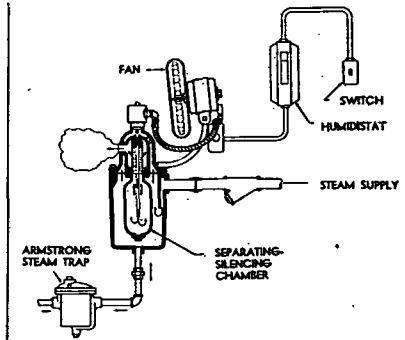
ARMSTRONG STEAM HUMIDIFIERS

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 10 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 Armstrong Humidifiers is as much as 80 per cent less than some types of equipment. The small C-2 unit lists at \$120.00 complete with fan and motor, humidistat, strainer and steam trap. Operation, using steam at around \$1.00 per ton, is economical.

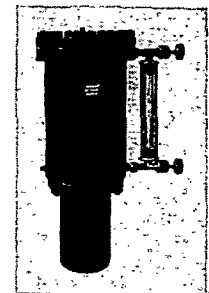


cal. There is no extra load on the heating system. No dripping—any moisture in the steam is re-evaporated in the steam-jacketed separating chamber. Control is accurate within a few per cent R. H. There is almost no noise with open nozzle types.

Bulletin No. 177 gives complete data on required relative humidities, selection and installation of Armstrong Humidifiers. Available on request.

ARMSTRONG NON-CONDENSIBLE GAS PURGERS

Armstrong Purgers *automatically* remove air and other non-condensable gases from refrigerating systems, with minimum loss of refrigerant. Refrigerant gas is condensed in the cap of the purger, causing non-condensibles to separate out at the top from where they discharge through a needle valve. These purgers are suitable for systems from 12 to 1200 tons capacity—Ammonia, Freon, CO₂ and other refrigerants. Body is forged steel, interior parts stainless steel. List price is \$200.00 BULLETIN NO. 173-A describes benefits of purging, gives complete data on installation and operation of Armstrong Purgers. Available on request.



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