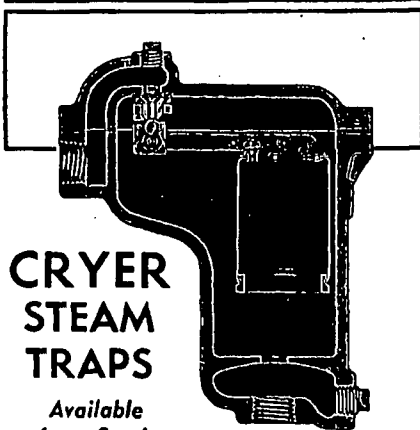




CRYER STEAM TRAPS

Available from Stock
... in sizes from 1/2" to 2 1/2"
and from leading distributors in principal cities

FEATURING:

- a free-turning steel ball rolling on rollers assures correct seating and no chance of sticking.
- a quick vent for large capacity and assured removal of initial loads of air and condensate.
- mechanical simplicity.
- ball plate provided to prevent stage of condensate and sudden surges from lifting bucket.
- a powerful leverage permits the use of a large orifice.
- stainless steel parts.
- sleeve orifice easily removed.
- no threads to strip.

Sizes: 1/2" to 2 1/2"
Pressures: 0 to 350 #
Capacities: 500 to 30,000 # water.

Also

CRYER THERMOSTATIC RADIATOR TRAPS

Angle Type in 1/2" and 3/4" sizes pressures up to 325# rated for 500' and 400' radiation. Conforms to Heating and Piping Contractors' National Association Specification. Permits water, air and gases to pass from radiator to return line but not steam. Made of non-corrosive parts for long life.

CRYER BALL STEAM TRAPS

Simple, efficient, long-lived. Sizes from 1/2" to 2" capacities from 500 to 5000 lbs. water per hour. Seamless copper ball the only moving part. Known formerly as the J-M Trap. Also made in 1/2" "Junior" model. Details on request.

ENCLOSURE STRAINERS

For 150 lbs. steam pressure or 450 lbs. pressure cold water, oil or gas. Sizes 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3". Simple to install, clean and maintain.

CRYER TRAP & VALVE CO., INC.
366 MADISON AVE., NEW YORK 17, N. Y.
Manufacturers of steam specialties for over forty years.

TRAPS, OIL

Anderson, V. D. Co. 1025 W 90th St. Cleveland 2, Ohio
Kiley & Mueller, Inc. 2015 43rd St. North Bergen, N. J.
Refrigerating Mch. Co. 520 Market St. San Francisco 4.

TRAPS, PUMPING

Barco Co. Inc. Empire State Bldg. New York 17, N. Y.
Sterling Engineering & Mfg. Corp. 110 Business St. Hyde Park, Boston 10, Mass.
Strong, Carlisle & Hammond Co. 125 W 3rd St. Cleveland
Templeton Bros. 117 Business St. Hyde Park 22, Mass.

TRAPS, RADIATOR

Barco & Jones, Inc. 125 Brookside Ave. Jamaica Plain 30, Mass.
Cashid, W. D. Co. 60 "A" St. Boston 27, Mass.
Orger Trap & Valve Co. Inc. 250 Madison Ave. NYC 17, N. Y.

Dunham, C. A. Co. 400 W Madison St. Chicago 11, Ill.
Orger Trap & Valve Co. Inc. 250 Madison Ave. NYC 17, N. Y.
Exchange St. Freeholders A. B. I. Hoffman Specialty Co. 1001 York St. Indianapolis 7, Ind.

McAuley Mfg. Div. Cluett Industries, Inc. 1801 S Western Ave. Chicago 4, Ill.
March, Jas. P. Corp. Stokio, Ill.
Nicholson, H. M. & Co. 123 Oregon St. Wilkes-Barre 1, Pa.

Barco Co. Inc. Empire State Bldg. New York 17, N. Y.
Sterling Inc. 3713 N. Holton St. Milwaukee 12, Wis.
Strong, Carlisle & Hammond Co. 125 W 3rd St. Cleveland 12, Ohio
Templeton Bros. 117 Business St. Hyde Park 22, Mass.

TRAPS, RETURN

Cochrane Corp. 1713 St. Albans Ave. Philadelphia 3, Pa.
Dunham, C. A. Co. 400 W Madison St. Chicago 11, Ill.
Hoffman Specialty Co. 1001 York St. Indianapolis 7, Ind.

Johnson Corp. Three Rivers, Mich.
Leavitt Machine Co. 10 B River St. Orange, N. J.
March, Jas. P. Corp. Stokio, Ill.
March, Mfg. Co. 2025 W Warren Ave. Detroit 4, Mich.
O'Brien Steam Spce Co. Baffertown Bldg. Syracuse 4, N. Y.
Permutt Co. 225 W 42nd St. New York 18, N. Y.

Barco Co. Inc. Empire State Bldg. New York 17, N. Y.
Sterling Engng. & Mfg. Corp. 110 Business St. Hyde Park 22, Boston, Mass.
Sterling Inc. 3713 N. Holton St. Milwaukee 12, Wis.
Templeton Bros. 117 Business St. Hyde Park 22, Mass.

Trap Co. LaCrosse, Wis.
Webster, Warren & Co. 17th & Federal Sts. Camden, N. J.

TRAPS, STEAM

American District Steam Co. Central St. North Tonawanda, N. Y.
Anderson, V. D. Co. 1025 W 90th St. Cleveland 14, Ohio
Armstrong Machine Works, 812 Maple St. Three Rivers, Mich.
Alwood & Merrill, 141 Cortage Ave. Salem, Mass.

Barco & Jones, Inc. 125 Brookside Ave. Jamaica Plain 30, Mass.
Cochrane Corp. 1713 St. Albans Ave. Philadelphia 3, Pa.
Cochrane W. D. Co. 60 "A" St. Boston 27, Mass.

Clark Mfg. Co. 1250 S 28th St. Cleveland 14, Ohio
Climax Engng. Co. Controls Div. Box 1523, Tulsa 1, Okla.
Cochrane Corp. 1713 St. Albans Ave. Philadelphia 3, Pa.
Cochrane W. D. Co. 60 "A" St. Boston 27, Mass.

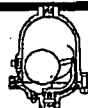
Crete Co. 328 S Michigan Ave. Chicago 6, Ill.
Orger Trap & Valve Co. Inc. 250 Madison Ave. NYC 17, N. Y.
Davis Engng. Corp. 1004 S Grand St. Elizabeth 4, N. J.
Davis Regulator Co. 2240 S Washington Ave. Chicago 4, Ill.

Dunham, C. A. Co. 400 W Madison St. Chicago 11, Ill.

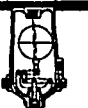
HOW TO SELECT A TRAP FOR AUTOMATIC DRAINAGE OF COMPRESSED AIR SYSTEMS

Type of Trap	Inverted Bucket	Snop Action	Regulator Ball Float
Handles oil.....	Very well	Light oil only	No
Handles dirt.....	Very well	Moderate	No
Air Loss.....	Small	None	None
Requires Priming.....	Yes	No	No
Float collapse or leakage.....	Impossible	Remote	Remote

*For very heavy oil use nothing smaller than No. 313 trap.



No. 71 Snop Action Air Trap



No. 2 Ball Float Trap



Inverted Bucket Trap

WHERE TO USE THEM

Drip Points ... After Coolers ... Intercoolers ... Separators ... Receivers

Get full details on Armstrong automatic drainage of compressed air lines. Ask for Bulletin 143. **ARMSTRONG MACHINE WORKS**, 812 Maple St., Three Rivers, Mich.

ARMSTRONG MACHINE WORKS
Manufacturers of Air Traps, Steam Traps, Steam Humidifiers and High Side Floats and Purgers for Refrigeration Systems.

For additional information about products of manufacturers

ARMSTRONG STEAM & AIR TRAPS

ARMSTRONG MACHINE WORKS

812 Maple St., Three Rivers, Mich.

PRODUCTS

Standard Steam Traps—Genuine Inverted Bucket design, non-air-binding, self scrubbing and large capacity. (See Table 1.)

Blast Traps—For extra fast heating of steam chests, long coils, etc. Air removal 100 times faster than ordinary. (See Table 1.)

Special Traps—For engine separators where pulsating pressures wear out ordinary traps.

Forged Steel Traps—For high pressure service. (See Tables 2 and 3.)

Compound Traps—Extra large capacity traps for draining purifiers, separators, evaporators, blowdown system flash tanks, etc.

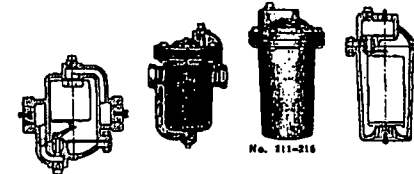
Air Traps—For degassing closed tanks of water and for removing condensate from compressed air lines. (Write for bulletin.)

DESIGN

The Armstrong Steam Trap has only two moving parts—the valve lever assembly and the inverted bucket. A choice

of side inlet or bottom inlet body design is afforded in the most commonly used sizes. All-stainless steel trim.

All Armstrong traps are readily convertible for extra air handling capacity 500 to 1500 cu. ft. per hr.



No. 200-412

No. 311-315

TABLE 1—SIDE INLET (200-412) AND BOTTOM INLET (311-315) TRAPS FOR LOW AND MEDIUM PRESSURES

Trap size	No. 200	No. 311	No. 312	No. 313	No. 314	No. 315	No. 316	No. 317	No. 318	No. 319	No. 320
Pipe Connections	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
List Price (Trap)	\$7.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Unit Price (Trap)	\$8.50	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50
Trap Code (Regular)	Alone	Brown	Cherry	Dawn	Aspen	Birch	Walnut	Hemlock	Larch	Tamarack	Yammarack
Trap Code (Blast Trap)	Alone	Brownette	Cherryette	Dawnette	Aspenette	Birchette	Walnutette	Hemlockette	Larchette	Tamarackette	Yammarackette
Height	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"
Weight	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.	15 1/2 lbs.
Maximum Pressure, lbs.	125	125	125	125	125	125	125	125	125	125	125
Continuous discharge capacity in lbs. of water per hour at pressure indicated. For complete information, and capacity curves, ask for a copy of the 16-page Armstrong Steam Trap Book, or see the Armstrong file in Sweets Catalogs	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 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