ARMSTRONG MACHINE WORKS

8512 Maple St., Three Rivers, Mich.

GUARANTEED: SATISFACTION OR YOUR MONEY BACK

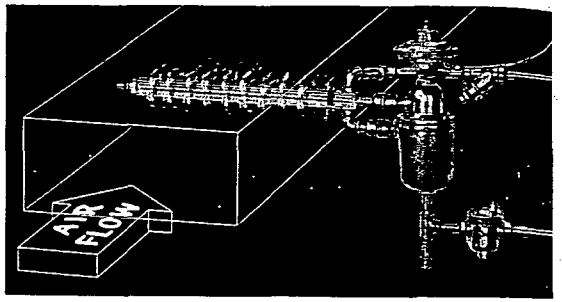
Traps Available from Local Stocks of 45 Factory Representatives 135 Jobbers, or Through the Supplier of Your Choice, or Direct from Factory

ARMSTRONG DUCT HUMIDIFIERS with Steam Jacketed Distribution Manifolds

Armstrong Duct Humidifiers with steam jacketed distribution manifolds, meet most requirements of humidification for air conditioning systems. These units introduce sterile, odorless, dry steam directly into the ducts through a steam jacketed manifold. Moisture is evenly distributed across the duct resulting in complete, quick absorption into the air stream. The manifold eliminates the probability of drip or concentrations of moisture, which might result in duct condensation.

CHOICE OF UNITS FOR ALL REQUIREMENTS

Armstrong Duct Humidifiers are furnished in two sizes and are either pneumatically controlled or electrically controlled. Manifolds are furnished in seven lengths from one to six feet. Units are also available for direct discharge to the atmosphere or for use in conjunction with unit heaters.



Armstrong Air Operated Humidifier with steam jacketed distribution manifold discharging vapor into the air stream in an air duct.

With the complete data available from Armstrong you can select the most economical units for your needs.

Bulletin 504 gives detailed installation and operating data on Armstrong Humidifiers. Ask for a copy.

How the Manifold Assures Proper Distribution of Vapor and Avoids Duct Condensation

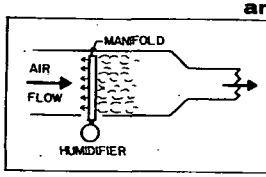


Fig. 4—Complete absorption of vapor ahead of duct transition avoids condensation at transition point.

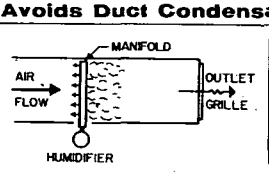


Fig. 5—Complete absorption of vapor ahead of grille avoids visible vapor or grille condensation.

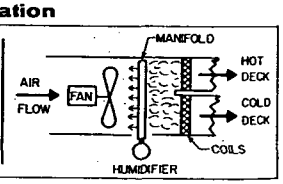


Fig. 6—Uniform distribution of vapor ahead of split insures that both hot deck and cold deck have correct amount of humidity.

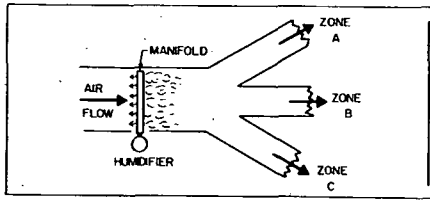


Fig. 7—Uniform distribution of humidity insures each duct getting proper amount of vapor.

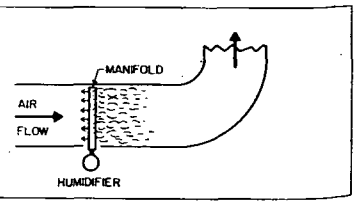


Fig. 8—Complete absorption across full width of duct avoids condensation at elbow.

Bahnson COMPANY

WINSTON-SALEM, N. C., U. S. A.

AIR CONDITIONING • HUMIDIFICATION

AIR WASHERS • UNIT HUMIDIFIERS • PNEUMATIC ATOMIZERS HUMIDITY AND TEMPERATURE CONTROL SYSTEMS

AIR-O-MATION

U. S. AND CANADIAN REPRESENTATIVES

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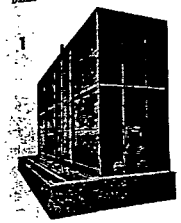
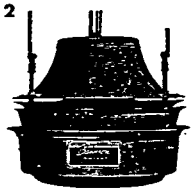
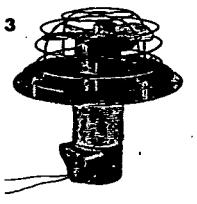


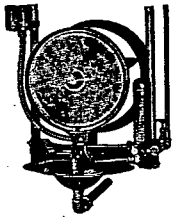
1. AIR WASHER—Bahnson Type Y and Type DC Air Washers cleanse, cool, and provide humidity control. Available in standard sizes from 6,000 to 250,000 cfm, they can be provided with spray systems best suited for the specific application. Write for Catalog 1 A.



2. TYPE E HUMIDIFIER—A self-contained unit with high evaporative capacity for installation in all types of industrial and commercial spaces requiring automatically controlled humidification. Evaporates up to 3 gph with 360 degree radial distribution of moisture. Requires only water supply and electrical connection. Write for Catalog 16 A.

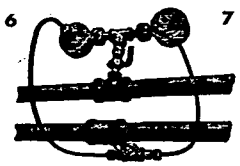


3. STEAMETTE UNIT HUMIDIFIER—An automatic, self-contained unit humidifier with high evaporation rate and a full 360 degree radial pattern for discharging steam vapor. Unit uses any steam pressure up to 30 PSIG. Constructed of lightweight, non-corrosive materials. Requires only steam supply, drain and electrical connection. Write for Catalog 36 A.

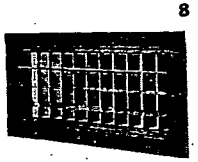


4. CENTRIFUGAL HUMIDIFIER—A self-contained unit for industrial use. Evaporation up to 12 gph plus directional air flow with fractional horsepower motor. Installed singly or in groups with individual or group automatic control. Requires only water supply, drain, and electrical connection. Write for Catalog 2 A.

5. TYPE BA-2 HUMIDIFIER—A high-capacity unit for overhead suspension in commercial and industrial applications. Adjustable grilles give complete directional control of moist air delivered. Automatically regulated, the unit provides air flow, humidification and filtering. Requires only water supply, drain, and electrical connection; capacity up to 25 gph. Write for Catalog 17 A.



6. TYPE ESC-2 ATOMIZER—A self-cleaning pneumatic atomizer of quality design for direct humidification or supplementary evaporation. Uses air and water under pressure to provide high evaporation and fine spray quality, with minimum air requirements. Modulation control regulates evaporation in direct proportion to the room requirements. Write for Catalog 3 A.



7. GRILLES—Bahnson Type C and D Grilles are designed for air discharge with removable core for easier cleaning and access to distribution duct. The air-foil type blades in the grilles are wide-spaced for both horizontal and vertical blade deflection and are individually adjustable by hand for air flow control. Constructed of extruded aluminum, blades are mounted on 1½ in. centers and are 1½ in. in width. Type C Grille has flush type face mounting; Type D Grille blade section projects forward permitting unobstructed air flow in distribution duct. Write for Catalog 5 A.

8. HUMIDITY CONTROLS—Bahnson Controls are offered in either electric or pneumatic design. The control consists of a highly sensitive humidistat which actuates an electric or pneumatic relay in response to humidity changes in the conditioned area. The humidistat is mounted in an aspirated cabinet which constantly draws a sample of room air over the hygroscopic element. Manual selector switches in the cabinet provide automatic functioning of motor-operated valves supplying water or steam to humidifying units. Write for Catalog 9 A.

OTHER BAHNSON MANUFACTURED EQUIPMENT: portable humidifiers, air washer suction strainers, spray nozzles, and complete industrial air conditioning systems. In addition Bahnson manufactures vacuum collection and cleaning equipment and creels. Write for descriptive literature on your requirements.