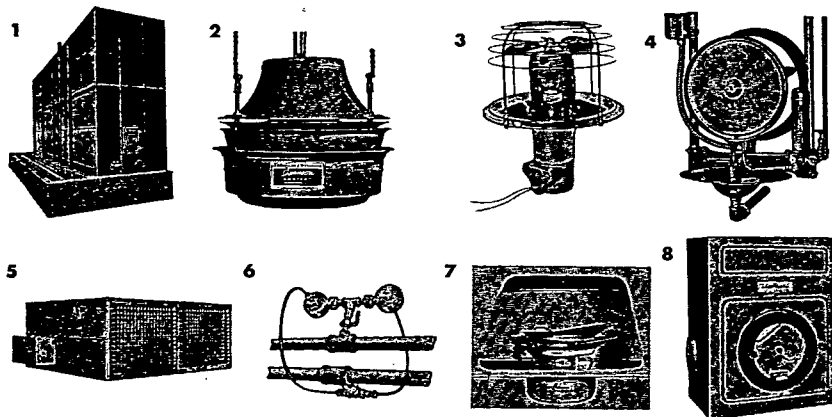




AIR CONDITIONING • HUMIDIFICATION
AIR WASHERS • UNIT HUMIDIFIERS • PNEUMATIC ATOMIZERS
HUMIDITY AND TEMPERATURE CONTROL SYSTEMS

U. S. AND CANADIAN REPRESENTATIVES

Winston-Salem • Charlotte • Greenville • Atlanta • Philadelphia • Cleveland • New York • Providence • Pittsburgh • Albany • Cincinnati • Toledo • Indianapolis • Detroit • St. Louis • Chicago • Milwaukee • Minneapolis • Davenport • Kansas City • Dallas • San Antonio • Denver • Los Angeles • San Francisco • Portland • Toronto • Montreal



1. AIR WASHER—Bairdson 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. DUCT HUMIDIFIERS—Bairdson duct humidifiers have an adjustable capacity of 0 to 3 gallons per hour, and are easily installed in existing ducts. The motor is located outside of the airstream and all normal service points are accessible from outside of duct; no access door is needed. There are no float valves to clog up, and no stagnant water pans. Write for Catalog 45 A.

8. HUMIDITY CONTROLS—Bairdson 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 BAIRDSON MANUFACTURED EQUIPMENT: portable humidifiers, air washer suction strainers, spray nozzles, and complete industrial air conditioning systems. In addition Bairdson manufactures vacuum collection and cleaning equipment and creels. Write for descriptive literature on your requirements.

The Electromode

Dept. AG-65
 Division Friden, Inc.
 Rochester, N.Y. 14603

Complete line of ELECTRIC HEATING SYSTEMS
for HOME-INDUSTRY-FARM
ROCHESTER, NEW YORK 14603

When you need advice in any field, you consult a specialist. Deciding on a heating system is an important matter—one that you do not undertake very often. Therefore, it is only natural and in the course of wisdom, that you will look to a specialist in this field. For more than 30 years Electromode has devoted its research engineering and manufacturing facilities predominantly to the design and production of electric space heating equipment, and is one of the oldest in the business. The Safety Grid Heating Element is an Electro-

mode feature. All electric wires are insulated, embedded and completely sealed inside a finned aluminum casting. No exposed hot wires, no glowing coils and no danger of fire, shock, or burn. This finned aluminum casting spreads the heat rapidly, resulting in higher efficiency and greater economy. The built-in safety switch automatically prevents overheating. The Safety Grid Heating Element is guaranteed for 5 years against any defect in material or workmanship.

For HOME and OFFICE



Fig. 1



Fig. 2

Fig. 3
Low-LEVEL

BASEBOARD HEATERS

Classically slim Low-LEVEL fits snugly to wall leaving more usable floor space. Spreads radiant warmth over cold walls without drafts and thermostatically controlled by room thermostat. Customized fittings impart pleasing, flowing appearance completely flexible to room size and design. Rugged steel cabinets, finished in golden bronze, can be made to blend with wall tones. As desired. Capacities from 500 to 2000 watts, 120, 240, 277 and 208 volts. Easy to install. Only two assembly screws per unit. Snap-on front panel. No separate end caps. Easy access to wireway. See fig. 3.

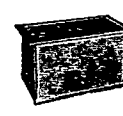


Fig. 4



Fig. 5

FLOOR INSERT HEATERS

Mount flush with floor, causing no obstruction in front of windows or in passageways. Install in wood or concrete. See fig. 4.

RADIANT CABLE HEAT

Coils of cable hidden in ceiling radiate clean heat downward. Each room temperature controlled by separate thermostat. Cables are a measured length of special insulated electric wires; waterproof; non-corrosive. Used in plaster, drywall ceilings, or concrete floors. Magic Seal coating prevents streaks on ceiling. See fig. 5.

For INDUSTRY



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

UNIT HEATERS

Unit Heaters available in Suspension-type and Combination Portable and Suspension models. Capacities from 1500 to 45,000 watts. Fine for auxiliary warmth in hard-to-heat areas and for complete heating in outlying buildings. Adjustable louvers for directing fan-circulated heat into working zone. Thermostat control available on all models. See fig. 6 for Suspension and fig. 7 for Portable and Suspension. The Electromode Commercial and Industrial heater is specifically designed for quick, comfortable, warmth in factory departments, offices, supermarkets and other areas where its quiet operation is an asset. It is easily portable, or it may be mounted on swivel-type brackets. 5KW-240 volts—single or 3 phase—17,075 Btu. See fig. 8.

EXPLOSION-PROOF HEATERS

Explosion-Proof heaters are specially engineered for installation in hazardous areas where heat is required and danger of explosion exists. They conform to rigid safety specifications and are fully tested and approved by Underwriters Laboratories for use in areas covered in Class I, Group D hazardous locations. Used in places where atmospheres contain gasoline, petroleum, naphtha, solvent vapors, natural gas and where flammable gases etc. are made or stored. Convection type. Three models range from 2000 to 6000 watts. See fig. 9.

BLAST COILS

Consists of a bank of Electromode cast-aluminum heating elements mounted in a 16 gauge formed steel frame having a 1 1/4

in. wide flange with 5/16 in. holes on approximately 6 in. centers for mounting to air ducts. Complete wiring diagrams for special applications furnished on request. See fig. 10.

Electromode Insert Duct Heater (fig. 11)

Electric heat may be easily applied to new or old duct systems normally distributing cooled or heated air to living or working areas by installing Electromode electric duct insert heaters. Available in 3 to 10 KW units, they may be used singly or in combinations, in vertical or horizontal duct systems. All units have the exclusive cast aluminum heating grid. All are equipped with a thermal limit switch. For additional information or engineering assistance on a particular installation, write Dept. AG-65, Electromode Division Friden, Inc.