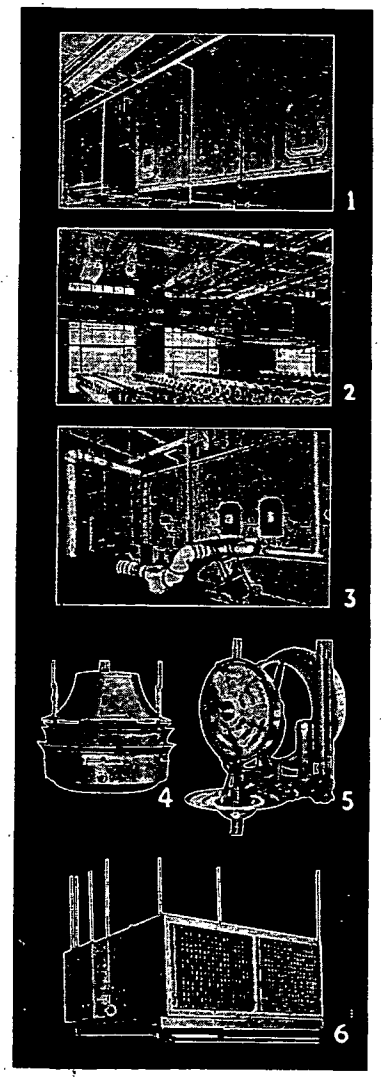
Bahnson Company

ENGINEERS AND MANUFACTURERS

WINSTON-SALEM, N. C.

HUMIDIFYING — VENTILATING — COOLING — FILTERING



COMPLETE SYSTEMS

1. **CENTRISPRAY**—A Unit or Central Station System, developed by The Bahnson Company, using the truly modulating Centrispray Air Washer. Based on the first really new idea in Air Washer design in almost fifty years, the Centrispray System provides precise control of temperature and humidity and provides outstanding flexibility in design and operation.

2. **HUMIDUCT**—A unit system for industrial air conditioning—designed, manufactured, and installed by Bahnson. Systems provide ventilating, heating, cooling, humidifying, dehumidifying and filtering in any desired combination.

3. **CENTRAL STATION**—Central Station Systems for industrial and commercial applications are designed and manufactured by The Bahnson Company. Type Y or Type DC Air Washers along with Bahnson manufactured components provide temperature and humidity control. Bahnson has manufactured many of the largest Central Station Systems in existence today.

UNIT HUMIDIFIERS

4. **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 gallons per hour with 360 deg radial distribution of moisture. Requires only water supply and electrical connection.

5. **CENTRIFUGAL HUMIDIFIER**—A self-contained unit for industrial humidification. 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.

6. **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.

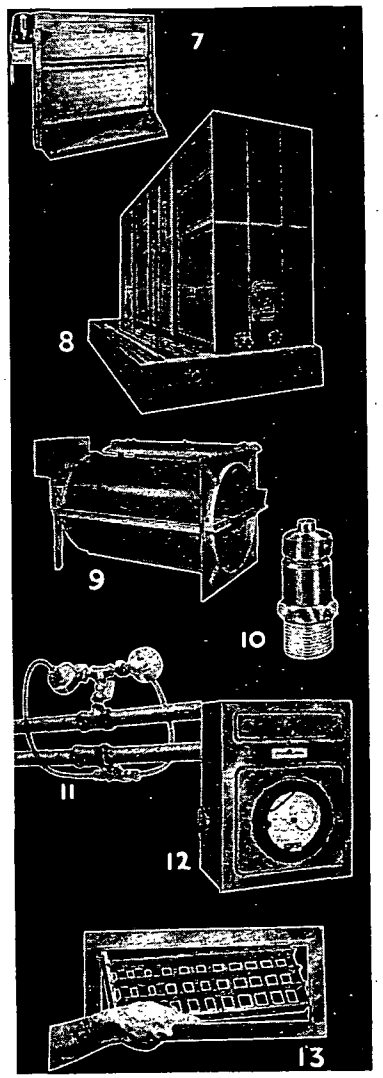
Bahnson Company

ENGINEERS AND MANUFACTURERS

WINSTON-SALEM, N. C.

HEATING — DEHUMIDIFYING — AIR CLEANING — VAPOR ABSORBTION

SYSTEM COMPONENTS



7. **TYPE S AIR CLEANER**—An automatic self-cleaning filter for systems handling air which contains heavy concentrations of lint. Eliminates routine cleaning of recirculated air screens and requires no replacement of filter media.

8. **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.

9. **AUTOMATIC SUCTION STRAINER**—The Type B Automatic Suction Strainer is a self-cleaning rotary strainer for Air Washers. Prevents clogging of spray nozzles and allows washer to operate at full efficiency. Can be fitted to new or existing systems, fully automatic in operation.

10. **TYPE DC SPRAY NOZZLE**—The Bahnson Type DC Spray Nozzle utilizes the principle of impingement of water jets to produce a fine uniform spray. This can result in a saving in pumping cost of 50 per cent over conventional spray nozzle systems.

11. **TYPE ESC ATOMIZER**—A self-cleaning pneumatic atomizer of superior design for direct humidification or supplementary evaporation. Uses both air and water under pressure to provide high evaporation and fine spray quality at low cost. Modulating control regulates evaporation in direct proportion to the room requirements.

12. **AUTOMATIC CONTROLS**—Bahnson pneumatic or electric humidity and temperature controls are sensitive, accurate and dependable. Available in aspirated cabinets combined with recorders.

13. **GRILLES** — Bahnson wide-blade grilles provide complete directional control of air flow. Special features include a removable core to facilitate cleaning as well as to provide access to the distribution duct.