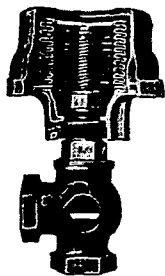
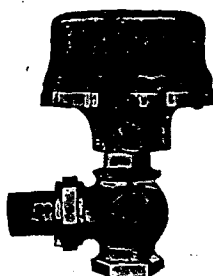
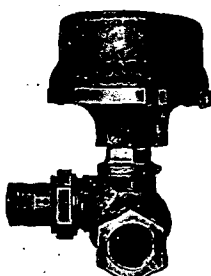
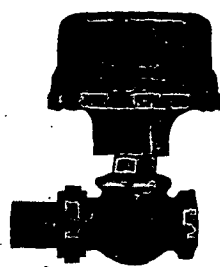
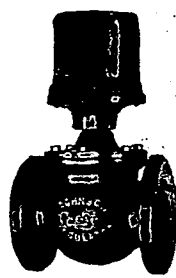
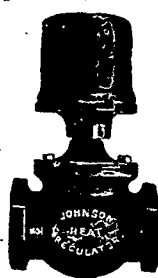


Johnson Metal Diaphragm Valve

Sylphon Valve
Sectional ViewSylphon Valve
AngleSylphon Valve
Offset Corner

Sylphon Globe Valve

Sylphon Valve
Brass Three-WayFlanged Globe
Coil ValveScrewed Globe
Coil Valve

Pneumatic Switch Control

Remote valve and damper control plays, by means of our pneumatic switches, a very important part in the economical operation of the modern heating plant, especially in schools. It saves the janitor's time for other duties, and makes it possible to accomplish results in the operation of the heating plant which can not be obtained in any other way. It makes it easy to operate the fresh air, return air and vent dampers. It also makes possible and facilitates the control of risers in office buildings in accordance with the latest practices for the economical use of steam.

Different types of pneumatic switches:

Lever handle switches.

Push button switch.

Indicating switch to open and close dampers partially as desired.

Electro pneumatic switch to open and close dampers automatically—with the starting and stopping of fan motors.

Humidostats and Humidifiers

The humidostat automatically controls the supply of moisture delivered to the air by a humidifier and maintains a constant percentage of relative humidity. It operates a diaphragm valve on the steam coils in the pan humidifier. The pan is provided with float box to maintain constant water level and is located in the ventilating air duct leading throughout the building. Steam jet and water spray types of humidifiers are also furnished.

Specifications

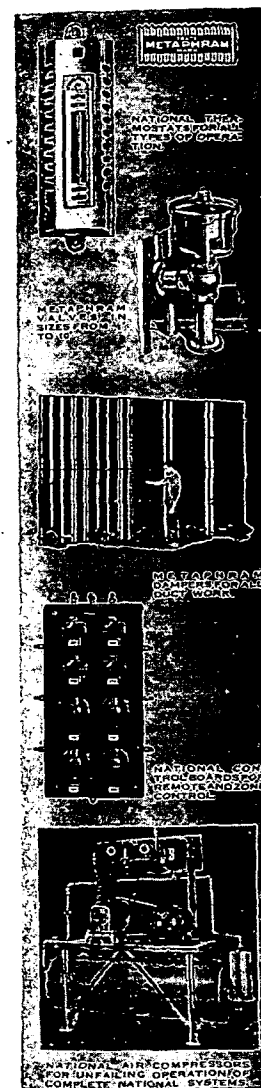
The Johnson System of Temperature Regulation to be erected and assembled by trained mechanics employed by the manufacturer, the Johnson Service Co.

The Johnson Service Company maintains an engineering organization in each of its branch offices competent to render complete information regarding application of the equipment, location of thermostats, capacity of air compressors, humidifiers, etc., and layouts of air piping. Our engineering department should be consulted regarding specifications.

National Regulator Co.

2311 Knox Avenue, Chicago, Illinois

National Systems for Control of Temperature, Humidity, Ventilation and Air Conditioning. Metaphram Damper Regulators for Domestic Heating Boilers. A-Jacks High Pressure Steam Damper and Combustion Control. Metaphram Damper Regulators for Domestic Boilers.



A National Control System for temperature, humidity, ventilation or air conditioning comprises co-ordinated equipment easily understood by local operating engineers. Each system is planned to meet the requirements of the individual building to assure proper regulation.

National Thermostats (Room Type)—Air operated; simple, two-temperature and compound types for direct radiation, direct radiation and unit ventilating machines, straight blast heating, ventilating fan units and dampers.

National Thermostats (Duct Type)—Air operated; for ventilating duct or blast heating control and hot water tanks.

National Thermostats (Industrial) for control of industrial and process temperatures.

Metaphram Valves—Air operated; for direct radiation, steam lines, hot water tanks, humidifiers and accumulator control.

Metaphram Dampers—Air operated by Metaphram motors; for accurate automatic control of ventilation and blast heating. Built in round, double or louvre types, of black or galvanized steel or special metals.

National Control Boards—Located in engineers room or central place for remote or zone control of pneumatic or electric-pneumatic switches in connection with two-temperature and zone control systems under manual or time-clock operation; operating valves or steam lines, radiation, or ventilating fan units and dampers.

National Air Compressors—Self contained, automatic units for unfailing operation of National apparatus and equipment.

Metaphram Damper Regulators for all domestic hot water or low pressure heating boilers, gas, oil or coal fired.

A-Jacks Control for high pressure boilers (15 lbs. to 300 lbs. pressure) giving synchronized control to boiler pressure and fuel consumption.

Catalogs and Bulletins—Thoroughly illustrated bulletins are available on all products. Engineering assistance will be rendered without obligation.