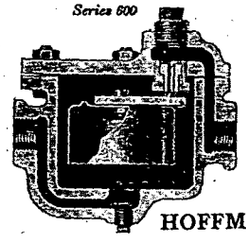
Series 600

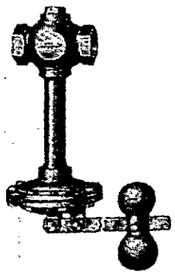


HOFFMAN INVERTED BUCKET TRAPS

Working Pressures to 200 lbs

Simple mechanism assures high operating efficiency. Features include—straight-through pipe connection; simple seat adjustment; all working parts connected to bonnet and easily removed with it; stainless steel seat and pin.

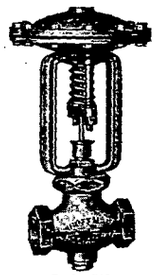
HOFFMAN PRESS. REDUCING VALVES



Series 700

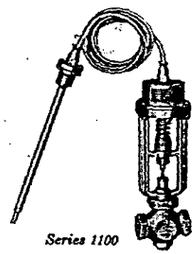
Series 700 Max. Press. 200 psi., Low Press. 1 to 25 psi.
Series 710 Max. Press. 250 psi., Low Press. 5 to 80 psi.
Series 715 Max. Press. 250 psi., Low Press. 2½ to 25 psi.
Series 720-S & 720-W Max. Press. 250 psi., Low Press. 2 to 125 psi.
Series 750 Max. Press. 250 psi., Low Press. 2½ to 25 psi.

Choice of types specifically engineered for your needs—continuous service, or, for tight sealing against low pressure side when there is no demand—and with typical Hoffman features of design.



Series 710

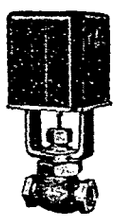
HOFFMAN TEMPERATURE REGULATORS



Series 1100

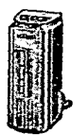
Series 1100—for steam pressure to 150 lb per sq in. Standard temperature range—80 F to 250 F. Other ranges available on special order. Self-motivated. Hydraulically formed bellows of selected material. Rugged construction. For water heaters, convectors, fuel oil preheaters and other similar applications.

HOFFMAN "ZONET" ZONE CONTROL



Series 1200—Zonet systems or packages for Steam and Hot Water consist of heat anticipating Room Thermostat, motor operated Globe Type Valve, Transformer, Fuse Block and fuse, and in the case of steam zoning, a Vacuum Breaker. The motor operated, two position, single seated, packed globe type Valve (illustrated) is available in sizes from ½ in. to 6 in. Maximum service pressure: steam 100 lbs per sq in., water 150 lbs per sq in.

HOFFMAN ELECTRIC CONTROLS



Hoffman Room Thermostat

Hoffman offers a comprehensive selection of fine quality electric controls for steam, hot water and warm air heating systems. These controls are especially suited for use with other famous Hoffman heating system specialties and provide one source of supply and one responsibility for satisfactory performance. Illustrated are two popular control units, typical of the complete Hoffman line.



Hot Water Limit Control Immersion Type

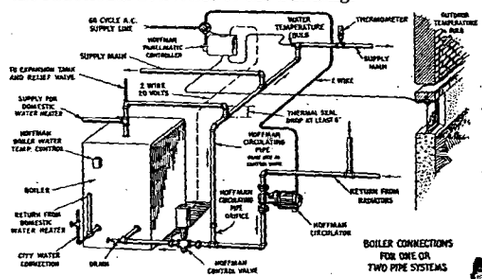
HOFFMAN "PANELMATIC" HOT WATER SYSTEM CONTROLS

Designed for all Types of Radiant Heating

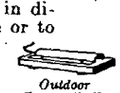
The Hoffman method vastly improves the ordinary forced hot water system by the application of *Continuous Circulation*. This method permits a smoothly modulated regulation of the heat supply. The Control Valve closes and the circulating stream by-passes the boiler as long as the heat requirements are satisfied.

When the circulating water begins to lose heat, the Control Valve is slowly opened by the Controller, permitting hot boiler water to enter the system. Thus, the delicate precision of the Hoffman Controller smoothly varies the temperature of the *continuously circulating* water so that the heat supply is always equalized with the heat loss and room temperature remains constant throughout all changes in the weather.

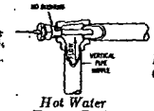
There is no type of building to which Hoffman Hot Water Controlled Heat cannot be applied. The system permits *zoning* of apartments, institutions, large residences and factories, thereby assuring a distribution of heat in direct relation to either personal temperature preference or to the functional activities of the building.



Boiler Connections For One or Two Pipe Systems



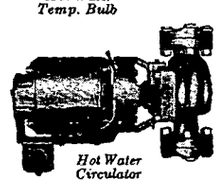
Outdoor Temp. Bulb



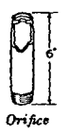
Hot Water Temp. Bulb



Control Valve with Manual Control

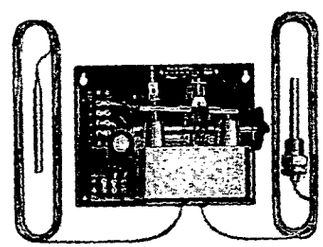


Hot Water Circulator



Orifice

HEATING COMFORT IS ACHIEVED BY THESE SIX HOFFMAN SPECIALTIES



The Panelmatic Controller

The brain of the Hoffman system. It automatically maintains a constant comfort condition regardless of the outdoor temperature. Its accurate balancing mechanism electrically opens or closes the Hoffman Hot Water Control Valve as required.

Outdoor Temperature Anticipating Bulb

This Bulb transmits changes in the outdoor temperature to the balancing mechanism of the Panelmatic Controller.

Hot Water Temperature Bulb

Accurately relays temperature changes of the supply main water to the balancing mechanism of the Hoffman Comfort Controller.

Circulating Pipe Orifice

A calibrated orifice used to balance the circuits through the boiler and through the Hoffman circulating pipe.

Hot Water Control Valve

Opens only sufficiently to supply the correct amount of water to maintain the proper water temperature being circulated through the system.

Thermometer. Should be installed about 6 in. from submerged Water Temp. Bulb.

Hoffman Hot Water Circulator

A centrifugal pump of prescribed capacity and low in power consumption. Usually installed in the return main and continuously circulates the water through the system.