

Hoffman Specialty Co., Inc.

General Office and Factory

1001 York Street, Indianapolis, Ind.

Sales Representatives in Principal Cities

Manufacturers of Adjustable Port Radiator Venting Valves, Quick Vents and Air Eliminators for One and Two Pipe Steam and Vacuum Systems; Hoffman Supply Valves, Traps and Basement Specialties for Controlled Heat Systems, Air Conditioner Hoffman-Economy Vacuum and Condensation Pumps, and Hot Water Controlled Heat Equipment.

AIR VALVES

The Nos. 1A and 40 are used for venting radiators on One and Two Pipe oil or gas automatic fired Steam Systems, and the Nos. 4, 4A, 75 and 75A are used in conjunction with these valves for venting steam mains, risers and other quick venting service.

VACUUM VALVES

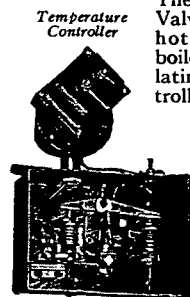
The Nos. 2, 2A Vacuum Air Valves feature the Hoffman Double Air Lock consisting of the vacuum check and vacuum diaphragm. These valves are for use on coal burning hand or stoker fired One Pipe Vacuum Systems; and for venting ends of steam mains or heating risers, where it is also desired to prevent the return of air into the system, the Nos. 16A, 76 and 76A vents are used.



Hoffman No. 2A Vacuum Valve

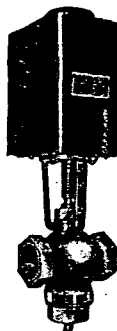
HOT WATER CONTROLLED HEAT EQUIPMENT

The Hoffman Temperature Controller is connected by capillary tubing to the Outdoor Temperature Bulb, and to the Water Temperature Bulb installed in the supply main. Variations in outdoor and circulating water temperatures are instantly transmitted by these two Bulbs to the Temperature Controller which electrically opens or closes the Control Valve.



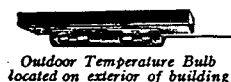
Temperature Controller

The Hoffman Control Valve. Admission of hot water from the boiler into the circulating system is controlled by this valve. It is opened and closed electrically when actuated by demands for more or less heat from the Hoffman Temperature Controller.



Control Valve

Available in sizes to correspond with Hoffman Circulator.

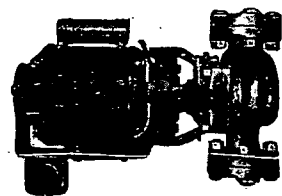


Outdoor Temperature Bulb located on exterior of building



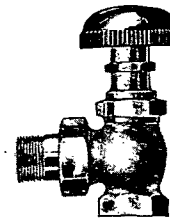
Water Temperature Bulb

Hoffman Circulator



The Hoffman Circulator is a centrifugal pump of large capacity, low power consumption and furnished in all standard sizes. It is installed in the return main and operates continuously except when outdoor temperature rises above 65 deg.

SUPPLY VALVES



Hoffman No. 80 Supply Valve

The Nos. 80 and 85 Packless Radiator Valves are of unique construction and proven performance.

The Reinforced Packless Feature, formed by metal cones of unequal degrees between the upper and lower members, giving a metal to metal hairline bearing and effecting a perfect seal. This short sharp bearing is further reinforced by a spring tension, and liberal gland of high quality.

Another feature is provided in the cone disc and beveled seat. This construction, as proven by test, affords protection against cracked discs.

This cone disc is reversible and its beveled seat is low in the valve body, giving perfect drainage.

Modulation in the No. 85 valve is accomplished by a cone disc nut, regulating volume of steam, according to pressure until the valve is about two thirds open.

These valves are made with brass body union nut and tailpiece in angle and straightway patterns only in sizes from $\frac{1}{2}$ to $1\frac{1}{2}$ in.

The No. 90 is a single union gate valve embodying the same packless features as Nos. 80 and 85. This valve has a driving nut on the body for screwing it in to the radiator. The No. 90 is made in sizes $\frac{1}{2}$ to $1\frac{1}{4}$ in.

THERMOSTATIC TRAPS

Complying with the War Production Board's Limitation Order L-42 of April 23, 1942, the Hoffman line of low pressure thermostatic traps consists of the Nos. 17-D, 8-D and 9-D. These traps have a diaphragm type of thermostat, cast-iron bodies, left hand female inlets and right hand female outlets.

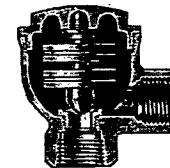
No. 17-D capacity 200 sq ft $\frac{1}{2}$ in. connections

No. 8-D capacity 400 sq ft $\frac{3}{4}$ in. connections

No. 9-D capacity 700 sq ft $\frac{1}{2}$ in. connections

The Nos. 8 and 9, medium pressure traps (50 pounds) have brass bodies with union nut and tailpiece. The No. 8 has a capacity of 200 sq ft and is made in $\frac{3}{8}$ in. angle pattern only, $\frac{1}{2}$ in. size in angle, R. H., L. H., and straightway pattern. The No. 9 is made in $\frac{3}{4}$ in. and 1 in. sizes, angle pattern only, capacity 600 sq ft.

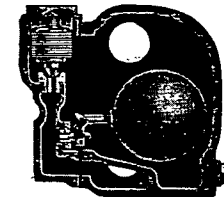
The Nos. 8-H and 9-H, high pressure traps (125 pounds) have brass bodies with union nut and tailpiece. The No. 8-H is made in $\frac{3}{8}$ in. angle pattern only, and $\frac{1}{2}$ in. size in angle, R. H., L. H., and straightway pattern. The No. 9-H is made in $\frac{1}{4}$ in. and 1 in. sizes angle pattern only.



Hoffman No. 17-D Cast-Iron Body Trap

DRIP AND HEAVY DUTY TRAPS

Where large amounts of condensation are encountered, it is recommended to use one of the float and thermostatic traps, which are available with or without the thermostatic element. These traps are available in large capacities and are mainly used for venting and dripping risers, steam mains, unit heaters, blast coils, etc. These traps are made in four different pressure ranges 15 lb, 30 lb, 60 lb, and 125 lb.



No. 60 Series Trap

VACUUM AND CONDENSATION PUMPS

The Hoffman-Economy line of Vacuum and Condensation Pumps offers a dependable method of economically returning the condensation from larger heating systems to the boiler. These pumps are made in single and duplex units, for varying capacities and pressures.

HOFFMAN SALES AND SERVICE

Hoffman Products are sold and stocked by leading wholesalers of heating and plumbing supplies everywhere. Hoffman representatives are available to assist in selection of suitable equipment for various services.