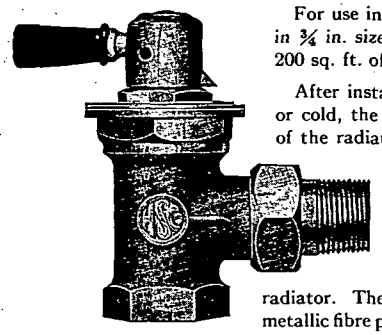
HOFFMAN "CONTROLLED HEAT" EQUIPMENT

The No. 7 Hoffman Adjustable Modulating Valve



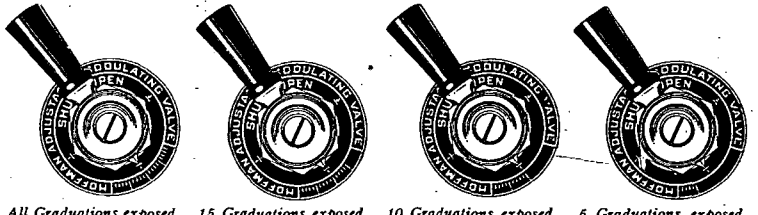
No. 7—Hoffman Adjustable Modulating Valve

For use in Vapor or Vapor Vacuum systems, is made in ¾ in. size only, having a range of adjustment up to 200 sq. ft. of direct cast-iron radiation.

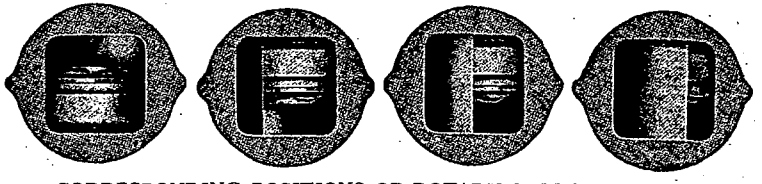
After installation, whether the system is in operation or cold, the port of each valve is adjusted for the size of the radiator to which it is attached. Adjustment is simple; loosen a locknut; turn valve handle until proper number of graduations are visible on the dial plate; then tighten locknut. The valve handle may then be moved to admit sufficient steam to heat a quarter, half, three-quarter, or entire radiator. The valve stem stuffing box has a frictionless metallic fibre packing that will last indefinitely and require no attention, giving at the same time, a valve action so free that the pressure of only one finger is required to open the valve.

The No. 7 valve is regularly supplied with lever handle. On special orders, it can be furnished with wood wheel, lock shield, closed top, extension stem and handle, or chain pull.

POSITIONS OF TOP DIAL PLATE FOR VARIOUS SIZES OF RADIATORS



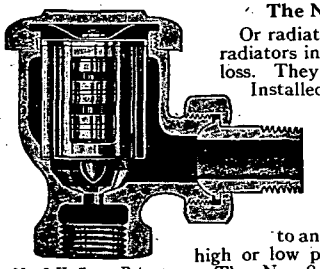
All Graduations exposed 200 sq. ft. | *15 Graduations exposed 150 sq. ft.* | *10 Graduations exposed 100 sq. ft.* | *6 Graduations exposed 50 sq. ft.*



CORRESPONDING POSITIONS OF ROTARY SLEEVE SHOWING PORT AREAS FOR ABOVE GRADUATIONS

The visible adjustment enables the designing engineer and heating contractor to make a final accurate adjustment which compensates for slight irregularities in pipe sizes, failure to ream pipe, installation of extra fittings not forseen in original layout, etc. The advantages of an adjustable port in forced hot water systems to secure proper balance makes the No. 7 Valve especially adaptable for such use.

The No. 8 and 9 Hoffman Return Line Valves



No. 8 Hoffman Return Line Valve

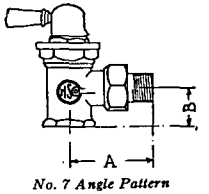
Or radiator traps, freely relieve air and condensation from radiators in Vapor or Vapor Vacuum systems without steam loss. They are also used as steam traps in industrial work. Installed in systems where steam is supplied through a reducing valve, proper trap operation is assured even if reducing valve fails to function and admits high pressure steam to the system because the trap operates with the same degree of sensitiveness.

These Valves are absolutely non-adjustable and thermostats can be changed from one body to another; likewise the valve may be used under either high or low pressure without adjusting.

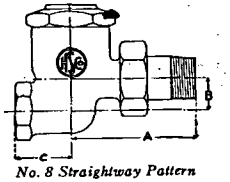
The No. 8 Valve is made in ½ in. size only, in Angle, Straightway, Right-and-Left Hand Offset Patterns. The normal capacity is 200 sq. ft. of direct cast-iron radiation. Port diameter, ¼ in., all styles.

The No. 9 Valve is made in ¾ in. size Angle Pattern only, and has a normal capacity of 600 sq. ft. of direct cast-iron radiation. ⅜ in. port for pressure under 15 lb.; $\frac{3}{16}$ in. port for higher pressures.

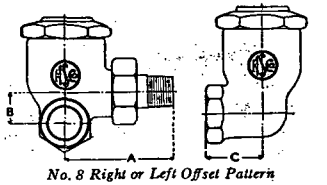
Maximum guaranteed operating pressure, 50 lb.



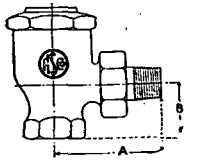
No. 7 Angle Pattern



No. 8 Straightway Pattern



No. 8 Right or Left Offset Pattern



No. 8 or 9 Angle Pattern

DATA AND DIMENSIONS

STYLE	Size Inches	Diameter Valve Port Inches	Maximum Capacity Square Feet	DIMENSIONS A	B	C
No. 7 Angle	¾	..	200	2⅜	1⅜	...
No. 17 Angle	¾	...	200	2¼	1½	...
No. 8 Angle	½	¼	200	2⅛	1⅛	...
No. 8 Straightway	½	¼	200	2⅛	1⅛	1⅛
No. 8 Offset	½	¼	200	2⅛	1⅛	1⅜
No. 18 Angle	½	¼	100	2¼	1¼	...
No. 18 Straightway	½	¼	100	2¼	⅞	1⅜
No. 18 Offset	½	¼	100	2¼	⅞	1⅜
No. 9 Angle	¾	⅜*	600	3⅛	1⅛	...

*No. 9 Valve furnished with ⅜ in. port for pressures above 15 lb.



No. 10 Hoffman Vapor Valve

The No. 10 Hoffman Vapor Valve

It is used for venting the return mains in vapor systems or for other conditions where a large venting capacity is required. The vent port is ¾ in. in diameter.

For preventing the escape of water the Valve has a large buoyant float which has a double valve, one disc controlling a ¾ in. port and the other an auxiliary port $\frac{3}{16}$ in. diameter. When water recedes from the Valve and pressure is maintained the $\frac{3}{16}$ in. port is first opened and as the air pressure is relieved, the ¾ in. port opens and full venting area is obtained.

The thermostat is located above the float chamber and controls the vent port upon contact with steam.

The Valve is of rugged construction, nickel-plated all over. Pipe connection, ¾ in. Maximum guaranteed operating pressure, 15 lb.