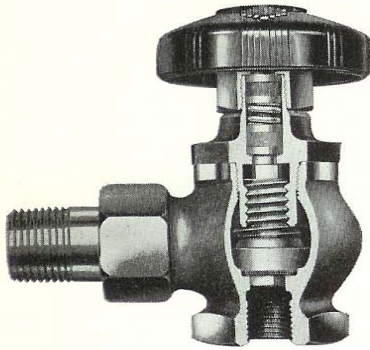


PACKLESS RADIATOR VALVES

SERIES 48 QUICK OPENING, SPRING LOADED TYPE



Radiator Valve

For use with any two-pipe steam, vapor, or vacuum heating system. They are of the quick opening, spring loaded, Packless type, cannot stick, bind or chatter and are tight from 50 pounds pressure to 25 inches of vacuum. Their operation is exceptionally smooth and easy, providing finger-tip control. The plastic wheel handle with recessed metal fastening prevents discomfort in opening or closing the valve.

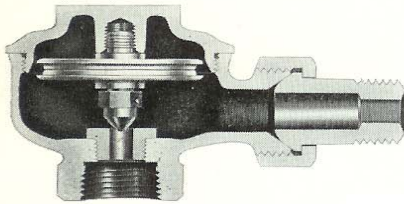
ILLINOIS Radiator Valves have heavy brass bodies and bonnets, rough finish, and are provided with union outlet connections. The interchangeable valve discs are Jenkins type. Cadmium plated springs compress permanent type molded packings, forming a leak-proof bonnet assembly.

All valves can be supplied with lock and shield bonnets when specified. Extension stems, straight or bevel gear type, chain pull operated, or lock and shield bonnets with keys can be furnished at an additional cost.

Interchangeable metering ports or orifices are available for valves where the type of system or particular problem of balancing circulation, makes the use of such devices desirable.

THERMOSTATIC TRAPS

SERIES G • FOR VACUUM AND VAPOR HEATING SYSTEMS FOR WORKING PRESSURES UP TO 15 POUNDS



Radiator Trap

Series G Traps assure highest radiator efficiency over a wide temperature-pressure and capacity range. They are designed especially to meet the severe demands of convector type radiators.

Series G Traps are positive acting and extremely sensitive in operation. Responsive to the slightest temperature changes, they discharge condensate quickly and freely without loss of steam.

DUPLEX THERMOSTAT

The durable Duplex Thermostat is die-formed and scientifically designed to equalize strain in all directions. This thermostat is so sensitive that it operates within a 3° F. range. Its oscillating action and uniform stroke provide practically 100% radiator efficiency.

CONE TYPE VALVE—INTERCHANGEABLE SEAT

The Cone Type Valve attached to the Thermostat flushes thoroughly and seats perfectly. The valve and seat members are hard, non-corrosive steel alloy.

All Series G Traps regularly are furnished rough brass with union inlet connections.

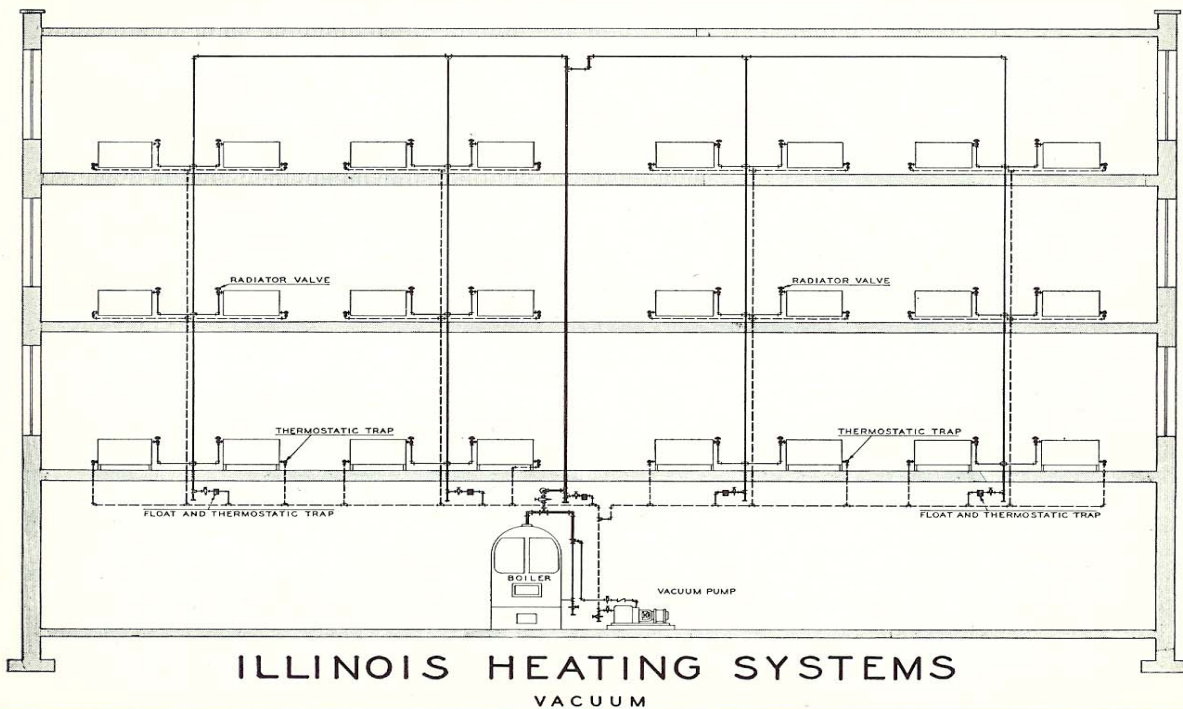
Standard VACUUM System

A two-pipe steam circulating system in which a standard vacuum pump, motor or steam operated, is used to accelerate circulation, remove air and condensate from the system and return the condensate to the boiler.

Suitable for any type of building, for industrial plants, or for groups of buildings heated from a central plant.

It is customary to use a single or duplex pump capable of producing a vacuum of from 6 to 10 inches Hg. depending upon the size of the system and method of piping.

Motor driven pumps usually are equipped with automatic switches, air eliminating devices, strainers and the like.



Standard VAPOR System

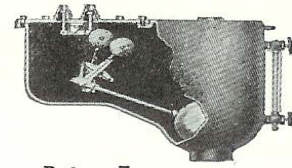
A two-pipe system circulating steam at very low positive pressures—one to eight ounces—and operating under sub-atmospheric pressure for long periods during light load, low fire conditions. A simple positive system without pump or mechanical vacuum producer. Especially recommended for Residence, Small Apartment, and similar service. Gives the rapid, flexible advantage of steam circulation with wide fluid temperature range.

VAPOR SYSTEM EQUIPMENT

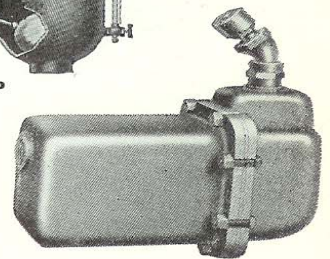
ILLINOIS BOILER RETURN TRAP—Maximum Pressure 15 Pounds.

Automatically returns condensate to the boiler at any pressure within its range. Prevents water being held up in the heating system, and eliminates danger of cracked boiler sections. All working parts are enclosed and factory adjusted.

Furnished in four sizes from 2500 to 12,000 sq. ft. EDR.



Return Trap

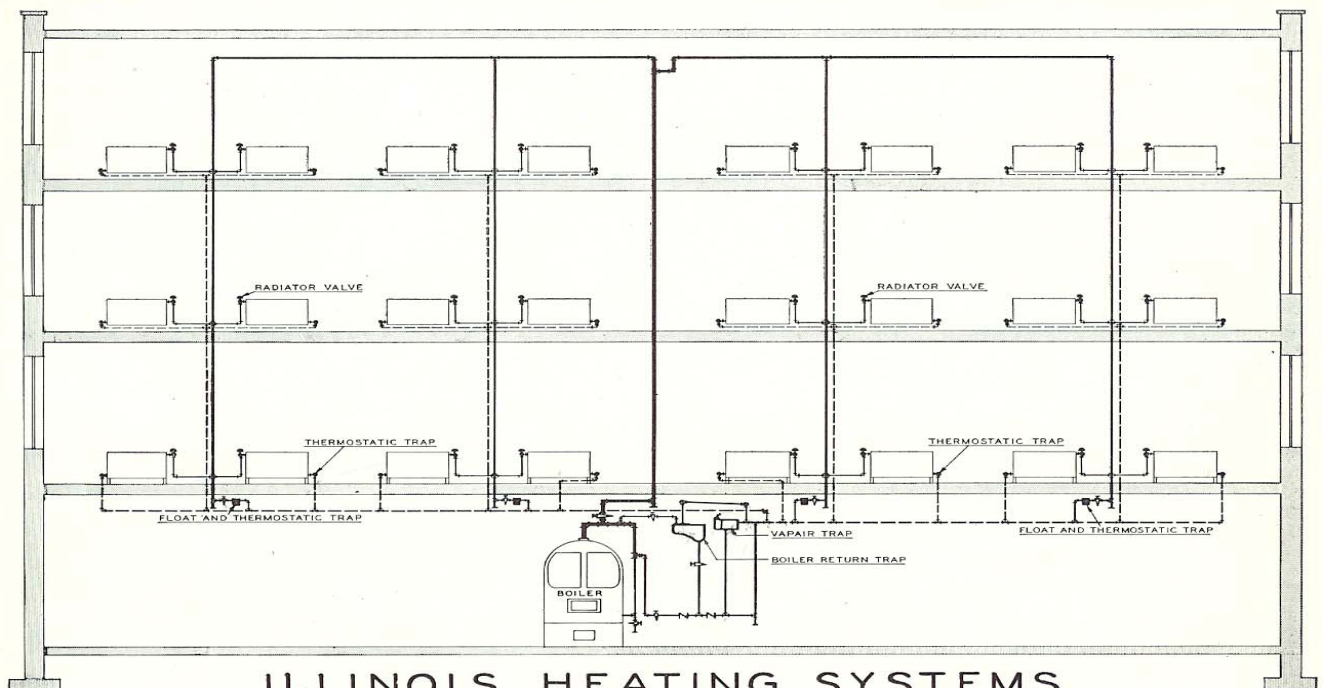


Vent Trap and Air Check

ILLINOIS VAPAIR TRAP AND AIR CHECK

An improved, simple, float-operated Air Vent Trap which permits free venting of air without loss of condensate. This sensitive air check valve instantly vents the system and prevents the return of air. This results in high vacuum, low temperature steam circulation. Air Checks may be connected in parallel for increased capacity.

Furnished in three sizes from 4000 sq. ft. to 12,000 sq. ft.

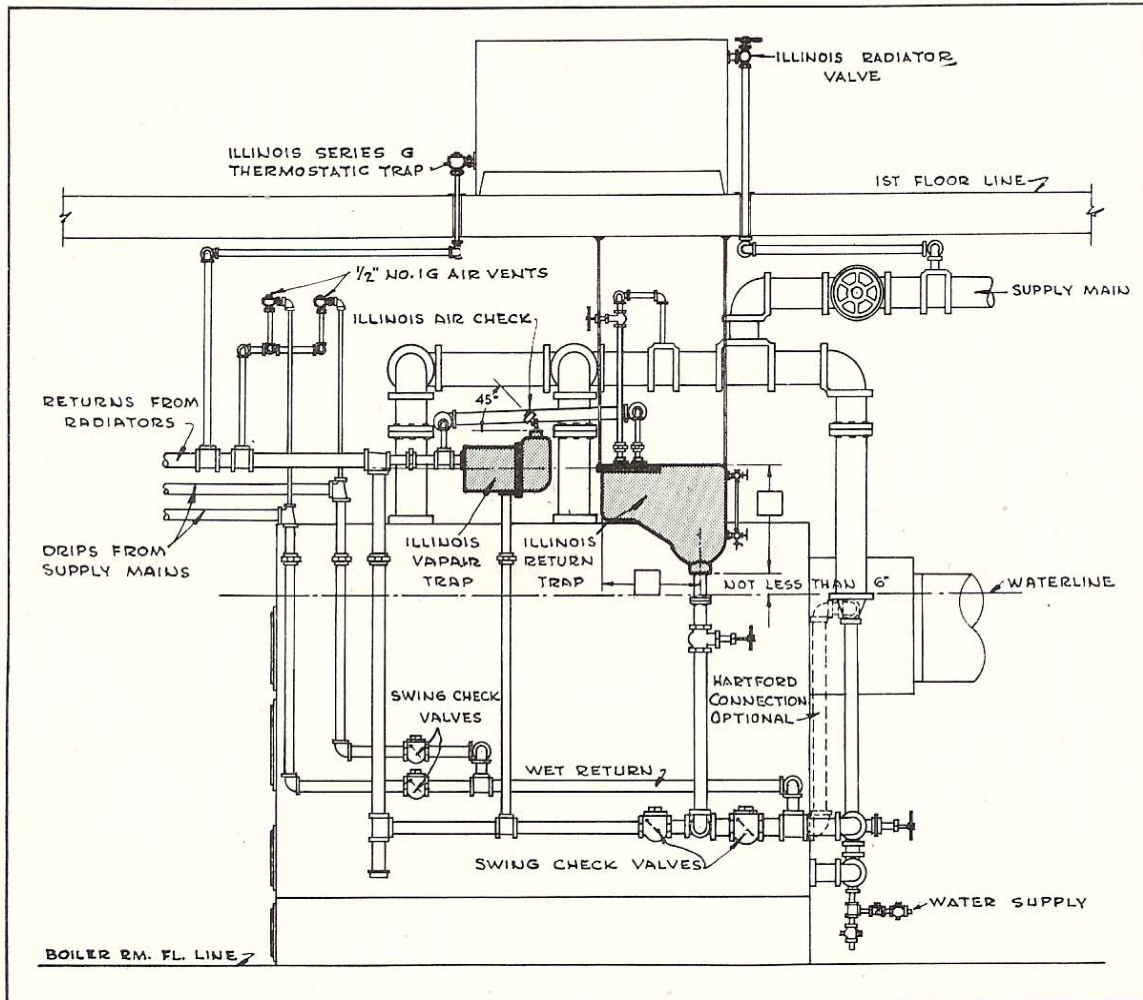


ILLINOIS HEATING SYSTEMS

VAPOR

Illinois Vapor Systems

A two pipe, low pressure steam circulating system which may be installed in any type of building where the condensate can return to the boiler by gravity.



The standard Illinois Vapor System, comprises a sensitive damper regulator, or other means of automatic control, which is used to maintain the steam pressure above, at or below atmospheric pressure. Steam flow to the radiators is regulated by Illinois Supply Valves. Condensate and air are discharged from the radiator through Illinois Thermostatic Radiator Traps. In the boiler room a Return Trap and Vapor Vent Trap with Air Check are installed near the boiler. The

Return Trap insures the return of condensate to the boiler at all normal operating pressures. The vent trap releases the air from the system and by means of the air check, return of air is prevented.

Both installation and operating costs are low, and the exclusive advantage of circulating steam for long periods at sub-atmospheric pressures provides maximum comfort. This system is adaptable for use with all types of heating units.