

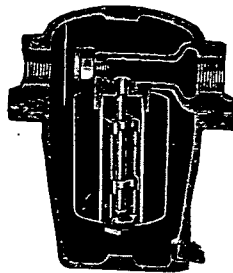
ILLINOIS ENGINEERING COMPANY

General Offices
and Factory:
Chicago



Branches and
Representatives
In Principal Cities

Illinois Steam Trap



Series 30

No wire drawing or cutting of valve and seat.

Valve and stem are separate from the bucket and operated only by the bucket at the extreme top and bottom of travel—result—valve is always either full open or tight closed. No

Illinois Thermostatic Traps for High Pressures

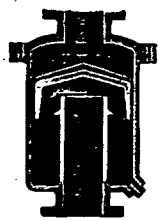


Series HG

Maximum working pressure 150 pounds. Used where neat appearance and compactness are desirable, as for trapping sterilizers or water stills in hospitals; steam jacketed kettles, coffee urns, warming tables and for process work. Also used extensively for air vents on blast type drying heaters. Multi-diaphragm of phosphor bronze. Heavy duty body. Made in three sizes.

These traps are also furnished for medium pressures.

Steam and Oil Separators



Vertical Standard Separators

Efficiency at the highest point.

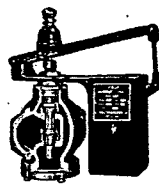
Eclipse steam separators are made in both horizontal and vertical type, and also the special receiver separators for standard or extra heavy pressures.

Eclipse oil separators are furnished in the horizontal type and have a removable baffle plate to facilitate cleaning of baffle and keeping the separator's efficiency at the highest point.

Illinois Motorized Valves (on and off)

For automatic control of steam temperatures and pressures to prevent overheating and conserve steam; to control fluid levels; and to regulate flow in hot water heating systems. May be operated by any automatic contact device or by manual switches.

Furnished in three types.



Type E

Spring Controlled Regulating Valve

Furnished in either single seated or double seated type as the service conditions require, for the control of steam, air or gas. Controlling spring is completely enclosed, protecting it from dirt and rust. Valves are furnished with the proper size diaphragm and the proper length spring to give satisfactory service under all operating conditions. Furnished also in weight loaded type, Fig. 71.

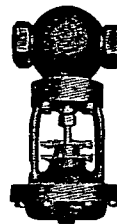


Fig. 121

Master Type Pressure Regulator

Used wherever high pressure steam must be accurately reduced in varying amount to any steady lower pressure, in service such as hospital, laundry, cooking, process, dry kilns and railway steam control. It will reduce initial pressure up to 250 pounds down to any lower pressure. Does not build up pressure on a closed or dead end line.



Fig. 142

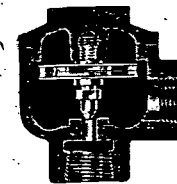
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Illinois Thermostatic Radiator Traps



Series GW

For Vacuum and Vapor Heating Systems.

Designed to conserve critical metals, the new Series GW Traps have cast-iron bodies, while the same efficient, dependable Illinois features of the internal construction

are retained. Female inlet and outlet connections with left hand thread at inlet.

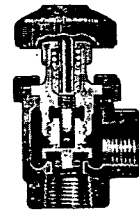
Furnished in three sizes, all angle pattern in, 1/2 inch for 200 sq ft, 3/4 inch for 400 sq ft and 1 inch for 750 sq ft nominal rating.

Illinois Radiator Valves

Quick Opening, Spring Loaded, Packless Type.

Cast-iron body and bonnet conserve critical metals. The internal construction retains all of the same efficient, dependable Illinois features of the Series 40 valve.

Made in two sizes 3/4 inch and 1 inch, angle pattern only. Left hand thread at inlet.



Series 40 W

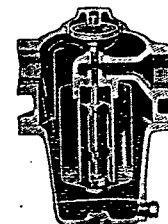
Illinois Vapor System

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.

A sensitive damper regulator or other means of automatic control is used to control initial steam pressure above, at or below atmospheric pressure. Steam is regulated at the radiators by Illinois Modulating Supply Valves. Condensate and air are discharged from the radiator through Illinois Thermostatic Radiator Traps. In the boiler room a Vapor Vent Trap and Boiler Return Trap are installed near the boiler. The vent trap eliminates air from the system and the Return Trap insures return of condensate to the boiler.

The system and the piping arrangement are simple. No metering orifices or vacuum pumps are needed. This system will be found suitable for many installations where low first cost and low operating cost are of prime importance. May be used with unit heaters or any type of radiation.

Illinois Combination F & T Traps



Series 7G

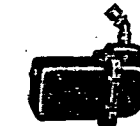
Unsurpassed for draining ventilating units, unit heaters, and for dripping mains and risers—wherever it is desirable quickly to vent air from the main as well as handle the water of condensation in quantity, whether hot or cold.

Illinois Selective Pressure Control Systems

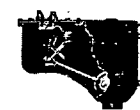


Illinois Selective Controller

An entirely new and unique method of Steam Circulation Control . . . Heating Systems that set new standards in comfort, economy, simplicity and convenience of operation. Each system is individually engineered to meet the exact requirements. Recorded fuel savings, without sacrifice of comfort, warrant your investigation. Ask for Bulletin 16.



Boiler Return Trap



Vapor Vent Trap



Vapor Gauge



Damper Regulator