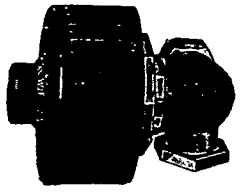
Sterling Thermotrols

Thermostatic self-contained temperature controls.



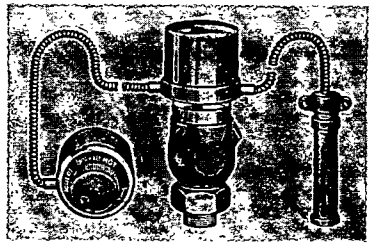
Type E—No. 100 Thermotrol

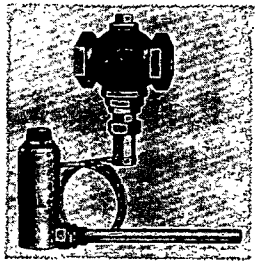
Designed for attachment to exposed radiator for the control of room temperature. It is applicable to two-pipe steam, vapor, vacuum or hot water heating systems in any type of building. The unit consists of a bronze valve upon which is mounted the thermostatic control. The room air, circulating through the openings in the housing, causes expansion or contraction of the compound diaphragms controlling the valve. The dial indicates normal, hot, cold or closed, as required.

Made in ½, ¾, 1, 1¼ and 1½ in. inlet and outlet sizes, for 50, 100, 150, 275 and 300 sq ft radiation. *Complete details in Bulletin No. 361.*

Type G—Thermotrols

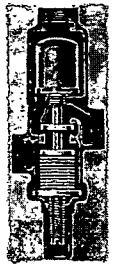
Designed for installations where the radiators are concealed. The controls consist of a valve, a regulating cylinder, and a thermostatic bulb. The regulating cylinder transmits the pressure, caused by the expansion of a volatile liquid in the bulb, to the valve stem. This pressure causes the valve to close. A spring opens it when the pressure decreases. A dial on the regulating cylinder determines the room temperature at which the valve operates. Sizes, ½ to 1½ in. *Complete details in Bulletin No. 361.*





No. 110 Thermotrol

Designed to regulate the temperature of liquids in tanks. It is applicable to water tanks, cooking kettles and sterilizers. It depends upon the expansion of a volatile liquid, like all other Sterling Thermotrols, for its regulating properties and is provided with a similar adjusting dial. Sizes, ½ to 3 in. *Complete details in Bulletin No. 361.*

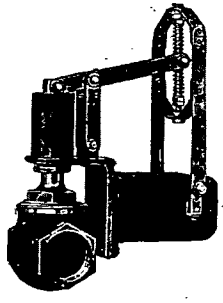


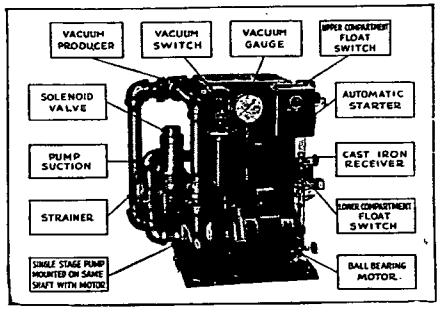
Sterling Motorized Valve

Controls the flow of steam, water or oil. It is used with thermostats for the control of room temperature by controlling the flow of steam or water in mains or risers. Valve sizes, ¾ to 6 in. *Complete details in Bulletin No. 361.*

Sterling Mixing Valve

The Sterling No. 130 Series Valve is designed to regulate the temperature of hot water. It controls the flow of both hot and cold water through the valve. *Complete details in Bulletin No. 361.*

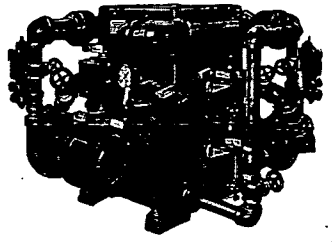




Sterling Simplex Vacuum Pump

Consists of a motor-driven pump, mounted on a cast iron receiver constructed with two compartments. The centrifugal pumping unit is a single suction, single stage pump, and a squirrel cage motor mounted on one shaft, thus eliminating mis-alignment troubles. Wearing rings protect the casing and cover from wear. The discharge to the boiler is controlled by a solenoid valve, which in turn is controlled by the float switch mounted at the end of the upper receiver compartment.

A float in the upper receiver operates the float switch. The lower, or accumulator compartment, is similarly equipped with a float and float switch. A strainer is located on the return line which enters the lower compartment of the receiver at the opposite end from the float switch. A vacuum switch, automatic starter and vacuum gage are mounted on the side of the receiver. The pump suction is connected into upper compartment of receiver. Discharge from the pump is connected to the vacuum producer. A solenoid valve is located in the discharge line to boiler. A line from the lower portion of the accumulator compartment connects into suction side of vacuum producer.



Sterling Duplex Vacuum Pump

Consists of two motor-driven pumps mounted on one cast iron receiver. Each pump is equipped with a separate suction and discharge line and automatic starter so that either pump can be operated independently.

One cast iron receiver, with one strainer, serves both pumps, but each pump has its own vacuum producer. One vacuum switch controls the motors for both pumps. *Complete details in Bulletin No. 334.*

Sterling Dirt Strainers

FIGURES No. 5 AND No. 6

Designed for use at drip points, on blast coils or ahead of radiator traps. Baskets are of heavy perforated sheet brass. Housings are heavy grey iron castings designed for steam pressures up to 125 lb.

Figure No. 5—Made in sizes from ½ to 2 in. with screwed connections.

Figure No. 6—Made in sizes from 2½ to 6 in. with flanged connections.



Fig. 5

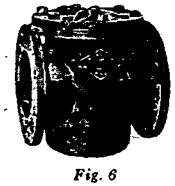


Fig. 6

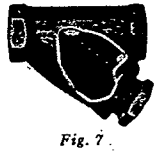


Fig. 7

FIGURE No. 7

Figure No. 7 is of the Y-type for use on water lines to pumps, swimming pools, etc., or on steam lines to traps, etc. Made in sizes from ½ to 2 in. Designed for steam pressures up to 125 lb.