Detroit Lubricator Company

Detroit, Michigan, U. S. A.

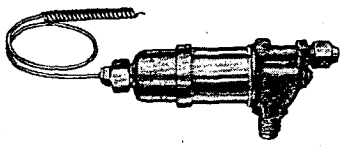
NEW YORK, N. Y., 40 West 40th Street

CHICAGO, ILL., 816 S. Michigan Avenue LOS ANGELES, CALIF., 320 Crocker Street

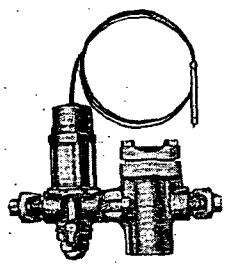
Canadian Representative:
RAILWAY AND ENGINEERING SPECIALTIES LIMITED, Montreal, Toronto, Winnipeg

Division of American Radiator & Standard Sanitary Corporation

Detroit Thermostatic Expansion Valve No. 673

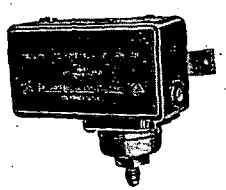


Detroit valves are scientifically designed to keep evaporators completely refrigerated under all conditions. Orifice sizes available from 1/32 in. to 7/32 in. with capacities up to 3½ tons on Dichlorodifluoromethane or 6 tons on Methyl or Sulphur.



Detroit Thermostatic Expansion Valves Nos. 781-783 and 785

Large capacity valves for air conditioning installations. Capacities up to 20 tons on Dichlorodifluoromethane and 35 tons on Methyl. Line Strainer illustrated available for large valves.

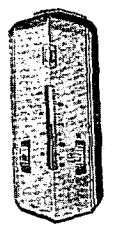


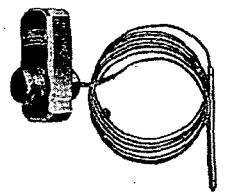
Pressure Control (Model RB-3)

Controls low side pressure. Available with high pressure cut-out to protect against high head pressures. Also available to control temperatures.

Two-Eleven Room Thermostat

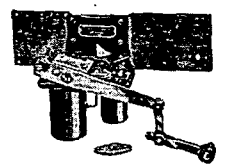
A thermostat neat in appearance and of new design for heating, cooling or in combination for both heating and cooling. Supplied with or without adjustable compensator providing uniform control.





Differential Thermostat No. 691

An inexpensive room thermostat for room cooling which modifies indoor temperature in accordance with outdoor temperature to maintain comfort conditions. Provides economy of operation and prevents shock due to over-cooling.



Duct Damper Motor No. 431

An inexpensive means of providing individual temperature control for zones or groups of rooms. Is quiet and can be mounted directly on the duct. Furnished with auxiliary switch to control heating equipment. Neat in appearance and easily installed.

Other Controls

This Company can also supply you with Refrigeration Solenoid Valves, a full line of Boiler and Furnace Limit Controls—Room Thermostats both high and low voltage for both heating and cooling—Fan controls—Humidity and Stoker Controls and Solenoid Valves for the control of water, fuel and gas.

NEW IDEAL FAST-VENTING SYSTEM

For All One Pipe Steam Jobs — New and Old

There are three fundamental requirements for the venting of one pipe steam jobs—particularly when automatically fired.

1. Venting must proceed rapidly and be accomplished as early in the ON period of the burner as possible.
2. All radiators must start venting simultaneously.
3. Steam flow to each radiator must be regulated in accordance with its location and capacity.

It follows that most of the venting must be done before boiler pressure increases beyond a few ounces—also that large port large capacity valves are thus necessary.

Large port low pressure venting has been made possible by the AUTOMATIC MODULATOR (patented). This permits full port action up to a few oz. pressure. Beyond that the AUTOMATIC MODULATOR reduces port area so as not to jeopardize subsequent venting at normal pressures.



Multiport

The No. 300 Arco-Detroit Multiport for radiators, is ideal for automatic heat as its construction permits much faster venting than the average air valve.

The No. 861 Arco-Detroit Hurivent for mains, which has a ½ in. port area, vents with amazing rapidity and cannot be compared with the ordinary vent valve in performance.



Hurivent

The No. 300 Multiport is adjustable over a wide range and its adjustment is proportional to the movement of the adjusting arm. Thus any system can be quickly and accurately balanced, and when desired, the adjustment can be locked to prevent unauthorized tampering. Adjustment in no way interferes with the action of the AUTOMATIC MODULATOR.

The No. 300 Multiport is new, modern, and very attractive—has a lustrous black molded jacket accentuated by brilliant chromium striping.

Of great importance to the installer when necessary to "balance" the system, is the scientifically designed slide valve method of adjustment. The movement of this adjusting lever, which is located at the top of the valve, effects a corresponding adjustment of port area, and this adjustment is in direct proportion to the distance through which the lever moves. Moving the lever over half its arc increases or decreases port area just 50%—moving the lever through a quarter of the arc changes port area 25%.



303 Straight Shank Multiport

Two straight shank valves designated as the 302 and 303 Multiports are furnished for concealed or "convector" type radiators. They have the same construction as the No. 300, except for the shank and all metal jacket. The No. 302 has a ⅛ in. connection and the No. 303 a ¾ in. connection.

Experience with one pipe steam jobs has shown that such troubles as uneven heating, hard-to-heat rooms, etc., are fundamentally due to inadequate venting. Putting the No. 300 Multiport on each radiator and one or more No. 861 Hurivents on the main, eliminates all this and also improves fuel economy. Whenever a conversion burner or a new boiler is installed, all radiator and vent valves should be replaced to avoid complaints and dissatisfaction.