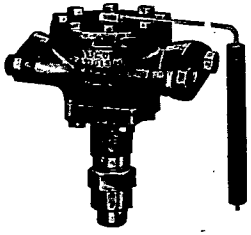
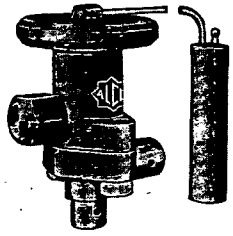
Alco Valve Company, Inc.

AUTOMATIC REFRIGERANT CONTROL VALVES

2626 Big Bend Blvd. **St. Louis, Mo.**





THERMO EXPANSION VALVES—They assure positive independent, automatic control of liquid feed in each refrigerated unit of a multiple system.

They automatically regulate liquid feed and suction pressure in accord with the refrigerating load in any unit thereby materially increasing the efficiency of the compressor as well as the evaporating coils.

They provide a positive method of obtaining a maximum wet interior surface in any type of evaporator.

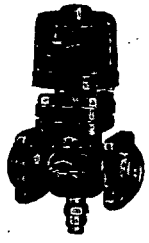
They are sensitive to the slightest change in suction superheat, but are adjustable to control the liquid flow at any required degree of suction superheat without permitting the return of liquid refrigerant to the compressor.

There is a size and type for all refrigerants and all capacities from fractional tonnage to 60 tons Ammonia, 100 tons Methyl Chloride, or 50 tons Freon.

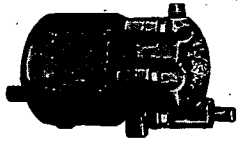
MAGNETIC LIQUID STOP VALVES—are positive acting, and tight closing. They are indispensable wherever instantaneous closing of the liquid supply line is indicated. They are used extensively with expansion valves where the temperature difference between the refrigerant and the refrigerated substance or area is very small. They are also used extensively with Alco Float Switches to maintain a constant liquid level in flooded evaporators.

All types are available in all the ordinary pipe sizes up to 1¼ in., and for tonnage capacities ranging from fractional tonnage to 350 tons Ammonia, 115 tons Methyl Chloride, or 55 tons Freon.

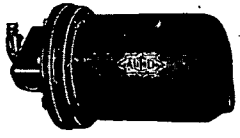
MAGNETIC SUCTION STOP VALVES—are designed for use as suction line shut-off or as low side by-pass valves. They are built without packing so as to operate successfully on heavily frosted lines. Makes possible individual control of two or more evaporating units in a multiple system even though there is a wide difference in temperature requirement or load conditions. They provide individual temperature control in any number of refrigerated units in a series system either flooded or fed by a constant pressure expansion valve.



Built in ½ in., ¾ in., 1 in., 1¼ in., 1½ in., or 2 in., sizes.



LIQUID FLOAT VALVES—are provided with a patented vent tube inside the body which prevents gas binding, and permits the valve to be installed at the highest point on a full flooded system even though many feet above the liquid receiver. They may also be installed at a low point in the system and will perform their function equally as well. Available in a variety of capacities up to 25 tons Ammonia, 10 tons Methyl Chloride, or 5 tons Freon.



ELECTRIC FLOAT SWITCHES are highly efficient for the maintaining of a constant liquid level in individual flooded evaporators. Particularly desirable for use on tubular coolers. There is no liquid flow through the Float Switch. By means of its electric switch, it operates a magnetic valve in the liquid line, thereby maintaining the desired liquid level to within a limit of less than one inch.

The Dole Valve Company

Main Office and Factory: 1901-1941 Carroll Avenue, **Chicago, Ill.**

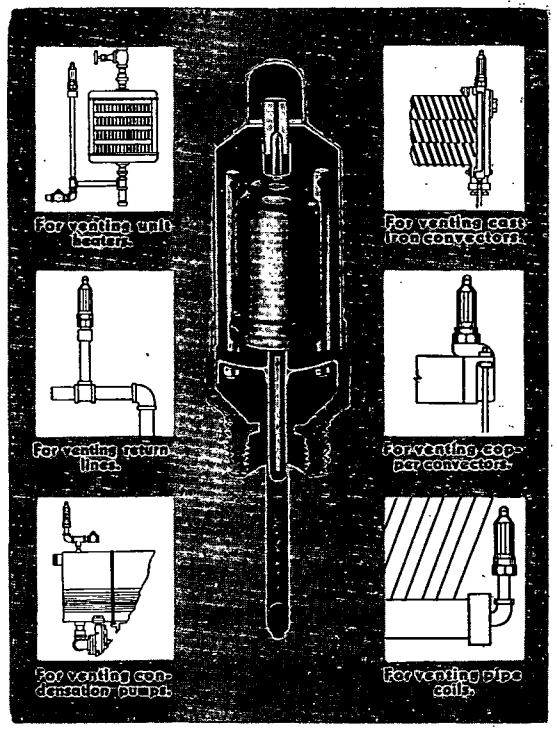
Branch Offices and Representatives in All Principal Cities

Dole

The Dole Valve Company is a progressive manufacturer of air and vacuum valves for one or two pipe steam and hot water heating systems.

There is a Dole Air and Vacuum Valve for every purpose. The line is complete and it is kept up to date by aggressive designing, engineering and manufacturing policies.

Our latest contributions are the new DOLE NO. 3A (⅛ in. connection), NO. 3B (¼ in. connection) and NO. 3C (¾ in. male, ⅜ in. female connections) AIR VALVES. Here is a picture of the No. 3C Air Valve.



These Dole Nos. 3A, 3B and 3C Air Valves are designed to meet the increasing demand for popularly priced straight shank valves that give satisfactory venting performance on systems where extreme water conditions are encountered. They positively do not "stick" or spit water and they insure free venting at any pressure up to 15 lb.

Look at the illustrated installation suggestions. Notice that a nipple connection is not required when Dole No. 3 Air Valves are installed on either cast iron or copper convectors, provided the heater has sufficient space to accommodate the siphon tube. Do not cut or bend this tube.

Another important addition which rounds out the Dole line is the DOLE NO. 7 SIGNAL AIR VALVE for venting concealed hot water convectors or radiators. This valve actually signals the operator when all the air is expelled. It is very easy to operate (no holding a cup to catch the water overflow) and it is easy to install.

Dole Air and Vacuum Valves for other venting purposes on one or two pipe steam and hot water heating systems are the No. 2B Vacuum Valve, No. 6B Vacuum Valve, No. 100 Vacuum Valve, No. 103 Vacuum Valve, No. 2 Vacuum Valve, No. 6 Vacuum Valve, No. 1 Air Valve, No. 4 Quick Vent Valve, No. 5 Quick Vent Float Valve, No. 8 Quick Vent Valve, No. 9 Quick Vent Vacuum Valve, No. 1933 Air Valve, No. 10 Hot Water Key Valve and the Dole Compound Gauge.

Dole Air and Vacuum Valves that are equipped with the new Vari-Vent feature for "balancing" one pipe steam heating systems are the No. 2B Vari-Vent Vacuum Valve, No. 100 Vari-Vent Vacuum Valve, No. 101 Vari-Vent Vacuum Valve, No. 1 Vari-Vent Air Valve and No. 3A-Vari-Vent Air Valve.

We have prepared folders and illustrated price sheets on the whole Dole Air and Vacuum Valve line. These are not only informative but make splendid sales material. They are yours for the asking.