Anderson Manufacturing Co.

Cambridge, Mass.

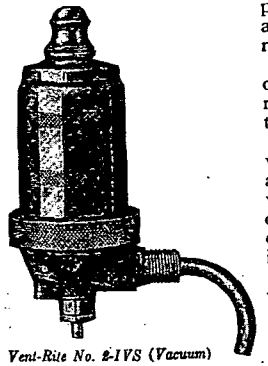
Manufacturers of VENT-RITE Air Valves
(Balanced Radiation)

VENT-RITE Radiator Air Valves can be regulated to meet the venting requirements of any radiator. They can be set to correct unbalanced resistance and compensate for pressure drop, thus accomplishing controlled distribution and balanced radiation.

VENT-RITE Valves will balance the resistance opposing distribution of steam in a one-pipe job so that there are no lagging radiators. The venting capacity can also be restricted at desired points, to prevent overheating.

VENT-RITES, when installed on a thermostatically controlled heating system, can be so set as to allow all radiators to receive the desired amount of heat before the thermostat shuts off.

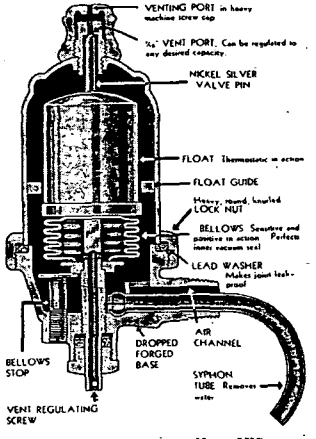
VENT-RITE Valves can be taken apart and cleaned with the use of an ordinary strap wrench. All valves have a conventional union coupling with a heavy lead gasket which makes the joint leak-proof. The adjustment feature on **VENT-RITE** Valves is not obvious to the casual observer, but is readily accessible, and once set, stays set, in any desired position.



Vent-Rite No. 2-IVS (Vacuum)

VENT RITE Valves are made in both vacuum and non-vacuum types. The construction of the vacuum type does not depend upon a ball or disc check to maintain vacuum in a system. This is accomplished by a sensitive and positive acting bellows, internally subjected at all times to atmospheric pressure which elongates the bellows, and closes the vent when the internal pressure in the valve is less than the atmospheric pressure. This perfects an Inner Vacuum Seal.

VENT-RITE Radiator Air Valves are noiseless in operation, positive in action, and seal by float action against water. They close thermostatically under temperature and will not leak or sputter. All parts are made of the best material suitable for valves of this type, the valve pins being of nickel silver. The base is made of a brass drop forging. They are attractively finished in chromium plate. **VENT-RITE** Valves are guaranteed against defective workmanship or material.



Cross Section Vent-Rite No. 2-IVS

THE VENT-RITE LINE OF RADIATOR AIR VALVES

VENT-RITE No. 1—(Automatic non-vacuum)—⅛ in. side vent for radiators. Variable venting capacity. Come-apart construction. Float seal against water. Closes thermostatically under temperature.

VENT-RITE No. 3—(Straight shank automatic non-vacuum)—¼ in. bottom outlet. For risers, mains and convection type radiators. Float seal against water. Variable venting capacity. Come-apart construction. Closes thermostatically under temperature.

VENT-RITE No. 2-IVS (Vacuum)—⅛ in. side vent for radiators, with Inner Vacuum Seal. Variable venting capacity. Come-apart construction. Float seal against water. Closes thermostatically under temperature.

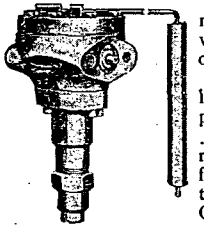
VENT-RITE No. 4-IVS (Vacuum)—¼ in. bottom outlet. For risers, mains and convection type radiators, with Inner Vacuum Seal. Variable venting capacity. Come-apart construction. Float seal against water. Closes thermostatically under temperature.

Alco Valve Co., Inc.

REFRIGERATION CONTROLS

2628 Big Bend Blvd. **St. Louis, Missouri**

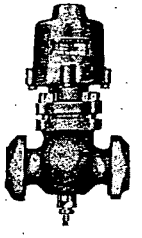
THERMO EXPANSION VALVES



1. They assure positive, independent, automatic control of temperatures in each refrigerated unit of a multiple system.
2. 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.
3. They provide a positive method of obtaining a maximum wet interior surface in any type of evaporator.
4. They prevent 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, 50 tons Methyl Chloride, or 25 tons Freon.

MAGNETIC SUCTION STOP VALVES



Alco Magnetic Suction Stop Valves are designed for use on frosted lines as a suction line shut-off or as a low side by-pass valve. 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 series on either a flooded system or a direct expansion system using a constant pressure expansion valve. Built in ½ in., ¾ in., 1 in., 1¼ in., 1½ in., or 2 in. sizes.

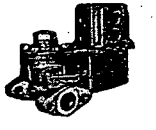
MAGNETIC BRINE VALVES



Alco Magnetic Brine Valves are packless valves suitable for controlling the flow of any non-corrosive liquid or gas. Since all working parts are entirely enclosed, the successful operation of the valve is assured even where the surrounding atmosphere is heavily laden with moisture or dust, or where the entire valve is covered with frost. Especially efficient on brine circulating systems either as a by-pass or as a stop-valve. Built in ¾ in., 1 in., and 1¼ in. sizes.

MAGNETIC LIQUID STOP VALVES

Alco Magnetic Liquid Stop Valves are positive acting, and tight closing valves, designed for use with liquid refrigerants. 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.



One type may be equipped with a pilot switch incorporated in the magnet housing, and when so equipped, may be used, with a single pole thermostat, to simultaneously start or stop the flow of liquid refrigerant and start or stop the compressor motor. Other types, not having pilot switches are for use with double pole thermostats to accomplish the same purpose.

All types are available in all the ordinary pipe sizes up to ¾ in., and for tonnage capacities ranging from fractional tonnage to 60 tons Ammonia, 30 tons Methyl Chloride, or 15 tons Freon.

ALCO FLOAT SWITCHES

The Alco Float Switch is a highly efficient control for the maintaining of a constant liquid level in individual flooded evaporators. By means of its electric switch it operates a magnetic valve in the liquid feed line, thereby maintaining the liquid level as desired.

Alco Float Switches are furnished for any A.C. voltage or frequency but are not available for D.C.