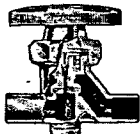




Henry Valve Company

1001-19 North Spaulding Ave., Chicago, Ill.

PACKLESS AND PACKED VALVES • DRYERS FOR REFRIGERATION AND AIR CONDITIONING • STRAINERS • AMMONIA VALVES • FORGED STEEL VALVES AND FITTINGS FOR OIL, STEAM AND OTHER FLUIDS.



Balanced-Action Diaphragm Packless Valves

VALUE OF BALANCED-ACTION

Regardless of operating conditions or the differential in the pressure above and below the valve seat, balanced-action assures positive and instantaneous opening. The balancing action is really the equalizing of the pressures on the two sides of the valve seat at the instant of opening. This is accomplished by a channel in the axis of the valve stem. When the valve is closed, the upper part of this channel is sealed by the diaphragm assembly itself. At the instant of opening, the pressure above the seat forces the diaphragm assembly upward, exposing the upper part of the balancing channel. The pressure is released through the channel to the region below the seat, equalizing the pressures, thus assuring positive opening. A spring-tensioned ball check seals the channel for diaphragm inspection.

Other Important Features are: Oval hand-wheel, ports-in-line, non-rotating bearing plate to protect diaphragm from rotating friction of stem, and use of multiple puncture and fracture-proof diaphragms designed to resist wear and corrosion. Available in a complete range of sizes with flare and solder connections.

ABSO-DRY PRESSURE SEALED DRYERS

For Refrigeration and Air Conditioning

The exclusive Henry vacuum process first removes every trace of moisture, then the dryer is charged with dehydrated air. Loosening a seal cap prior to installation produces hissing sound, a guarantee of original factory dryness and freedom from leaks.

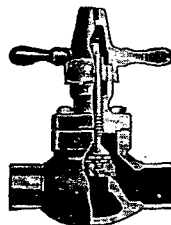
Other Features of Henry Dryers—

Perforated Dispersion tube is connected to inlet port and exposes entire volume of dehydrant to penetration by refrigerant. *Minimum* pressure drop. No channelling. *Compression Spring* maintains uniform tension on dehydrant at all times and compensates for changes in volume. *Soldered or Flanged Shells*—models are available with either soldered cap or flanged end shells. Flange is distortion-proof. Shells not exceeding 5½ in. in length are drawn in dies, so that they have only one joint.

WING CAP VALVES

Designed especially for Freon and Methyl Chloride. Have patented rotating self-aligning stem disc. Special resilient packing. May be repacked under pressure. Wing cap can be inverted and socket used for operating valve.

Made of non-ferrous alloy to meet government specifications. Solder connections machined directly in valve body.



HENRY STRAINERS

There is a size and type of Henry Strainer for every installation requirement.

Type 895 "Y" Strainer

With solder fittings for use with copper pipe. Welded steel construction. Negligible pressure drop. Screen can be taken out for cleaning without removing strainer from line. Very large screen area. Light weight. Baffle prevents heavy particles injuring screen.



TWO DEHYDRANTS—Choice of two dehydrants; Activated Alumina or Silica gel.



Type 757 Cartridge Dehydrator

Flanged shell dehydrator with replaceable cartridge.

Type 743 Refillable Dehydrator



Screen tube assembly soldered to outlet connection. With dispersion tube.



Type 712 Dehydrator

Soldered brass shell with dispersion tube.

APPROVED FOR ARMY AND NAVY USE

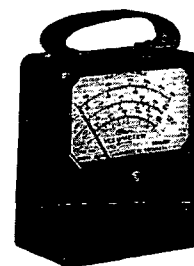
Illinois Testing Laboratories, Inc.

422 North LaSalle Street, Chicago, Illinois

Alnor

Manufacturers of

ALNOR Thermometers, Pyrometers, Temperature Controllers, and Air Velocity Meters

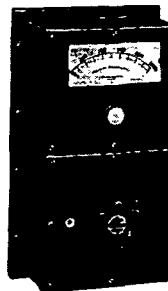


The Alnor Velometer is an instantaneous, direct-reading air velocity meter designed for convenient, rapid determination of air velocities in air conditioning, heating and ventilating, and exhaust systems. It gives instantaneous direct readings in feet per minute, without timing, calculations, or reference to tables or charts. Low range air velocity readings are taken by holding the Velometer in the air stream. High range readings are obtained by the use of tube connected special jets, available in 17 types providing for convenient use in any location. Accurate information on performance of equipment, duct systems, etc., can be obtained with a few moments inspection with the Velometer. It can be effectively used to locate drafts and leaks around windows and doors, or in duct systems.



The Alnor Velometer is built in several standard ranges from 20 fpm to 6000 fpm, and up to 3 in. static or total pressure. Special ranges available as low as 10 fpm and up to 25,000 fpm velocity and 20 in. pressure.

Alnor Electrical Resistance Thermometers, available in single and multi-point types, are ideally suited to air conditioning, heating and refrigeration installations. Thermobulbs may be located at any point up to 1000 ft from the instrument. Indicating thermometers can be furnished with capacities up to 14 points. Standard types include round, rectangular, horizontal edgewise, and portable thermometers. Instruments may be installed in office or engine room and thermobulbs located at any desired point in the building or on the roof. Accurate temperature measurements at the remote locations are obtained merely by moving the selector switch.



Alnor Pyrometers include a wide range of portable and wall mounting types, both single and multi-point instruments, for a variety of industrial temperature measurements. Temperature readings of molten metals, industrial furnaces, and similar equipment, and temperatures of surfaces, either metallic or non-metallic, moving or stationary, are readily obtained with standard Alnor Pyrometers.

Bulletins describing Alnor instruments and accessory equipment will be sent upon request.