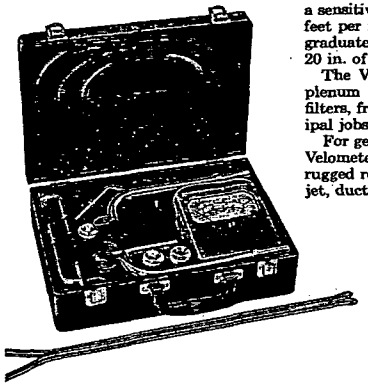
# Alnor Instruments...for quick, precise measurement of air flow—surface temperatures

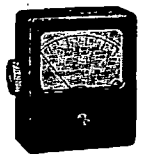
## Alnor VELOMETER®



a sensitive instrument that will give instant direct reading of air flow in feet per minute. Readings as low as 20 f.p.m. can be made. The triple graduated scale on the dial can register a high of up to 24,000 f.p.m. or 20 in. of water.

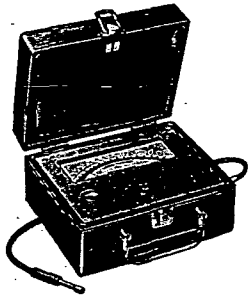
The Velometer will give direct reading of static pressure in ducts, plenum chambers, or pipes. Register pressure loss across heater and filters, friction loss at ells and deflectors. Many government and municipal jobs require Velometer checking before acceptance.

For general use in air conditioning, warm air heating and ventilating, Velometer set No. 3G is recommended. Consists of the Velometer with rugged reinforced carrying case, supply jets, return jets, static pressure jet, duct jet and diffuser jet. Price f.o.b. Chicago $194.00.



For quick, simple, checking on circulation in balancing duct outlets the small self-tained Velometer Jr. (4" x 3" x 1½") can be used, where the work does not require the use of jet attachments. Available in three double air flow ranges, 0-200 f.p.m. and 0-800 f.p.m., 0-400 f.p.m. and 0-1600 f.p.m., 0-500 f.p.m. and 0-2500 f.p.m. Price f.o.b. Chicago $44.00 Bulletin 2448 gives complete information on the Velometer and all attachments.

## Alnor PYROMETER Model 2300B

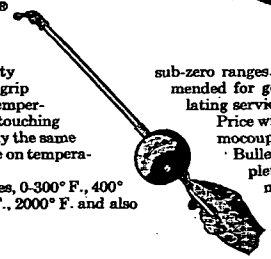


Registers surface temperatures accurately and instantly by simply touching the thermocouple tip to any surface, or will register air temperatures at grills, inside ducts etc. with the air temperature thermocouple tip. Saves time with quick, positive readings. Can be used to set thermal expansion valve on cooling coils in less than a minute.

Balance hot water systems accurately. Test insulation and temperature of walls, floors and ceilings.

Locate hot water pipes in cement floors. Use it any place where surface temperature readings are required. Has full 6 inch mirrored scale. Temperature range —40° F. to 200° F. Complete unit in attractive durable case. Price from $195.00 f.o.b. Chicago.

## Alnor PYROCON®



A compact hand held pyrometer with heavy-duty shock-resistant construction and with a firm grip handle balanced for easy handling. Accurate temperature readings are registered immediately on touching the tip to any surface. Can be used for practically the same service as the Alnor Pyrometer described above on temperatures within the range of the instrument.

Can be furnished in eight temperature ranges, 0-300° F., 400° F., 500° F., 600° F., 800° F., 1000° F., 1200° F., 2000° F. and also sub-zero ranges. The 0-300° F. is recommended for general heating and ventilating service.

Price with case and shielded thermocouple $125.00 f.o.b. Chicago. Bulletin No. 4257 gives complete information on Pyrocon models and accessories.

**ALNOR INSTRUMENT CO.**

*Division of* **Illinois Testing Laboratories, Inc.**

Room 516 • 420 North LaSalle Street • Chicago 10, Illinois

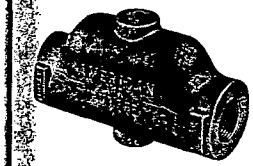


# AMERICAN TUBE AND CONTROLS

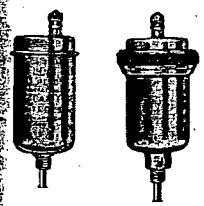
West Warwick Rhode Island



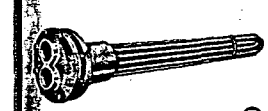
❶



❷



❸



❼

## For Hot Water Heating Systems

### ❶ FILL-TROL

EXTROL® diaphragm type expansion tank with automatic fill valve for positive control of fill pressure and system expansion. Supplied with ½" FPT for System Connection and ½" Solder Union for Water Supply.

*Write for Bulletin #100-A.*

### ❷ AIR PURGERS

Scientifically designed to continuously eliminate air from the system. Use with Extrol and American Float Vent.

Available in sizes up to 4". Sizes up to 3" are threaded, 4" have 125 lb. standard flange connections.

*Write for Bulletin #400-E.*

### ❸ FLOAT VENTS

Advanced design for effectively venting air from Hydronic Heating and Cooling System.

Available in two pressure ranges.

0-30 PSI 0-100 PSI

*Write for Bulletin #700-E.*

### ❹ BASE SLIDE EXPANSION JOINTS

A smooth sliding joint suitable for temperatures from 40° to 240° and working pressure up to 125 PSI on Hot Water and 10 PSI on low Pressure Steam Systems.

Available in Nominal Copper Tube sizes from ½" to 2" and Nominal Female Pipe Sizes from ¾" to 2". Expansion Movement minimum of 2".

*Write for Base Slide Bulletin.*

### ❺ WATER HAMMER ELIMINATORS

Hammertrol® Shock Suppressors for eliminating water hammer in all piping systems. Available in 3 series and 33 sizes.

*Write for Bulletin #511-E.*

### ❻ AX(ASME) and SX SERIES EXTROL

Pressurized diaphragm-type expansion tank for positive control of expansion, Air, Pressure and Filling in Commercial and Industrial Hydronic Systems. Available in 16 sizes to meet all requirements.

The AX Series is designed and constructed in accordance with the requirements of the ASME Unfired Pressure Code, and may be stamped with the appropriate Code Symbol.

*Write for Bulletin #117-E.*

## For Volume Water Heating

### ❼ TANK UNITS

For Volume Water Heating and for installation in Fresh Water Storage Tanks. Constructed to ASA Flange standards and ASME Code requirements.

Available in 4 series to meet all requirements using ¾" and 1¼" Copper Tubing for Conventional and Cement Lined Fresh Water Storage Tanks.

*Write for Bulletin #4000-E.*

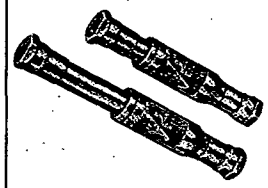
### ❽ HEAT EXCHANGERS

For Heating Fresh Water Instantaneously or Heating Radiation Water for Hydronic System using Steam or Hot Water as the Heating Medium.

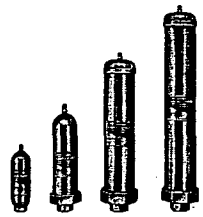
Constructed to ASA Flange Standards
ASME Code
FOWHMA Standard

Available in sizes up to 20" diameter and capable of heating 1000 gpm of fresh water.

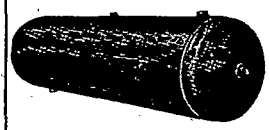
*Write for Bulletin #4000-E.*



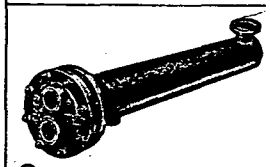
❹



❺



❻



❽

1080