



## ELECTRICALLY HEATED PIPE AND VALVES

VP-7

### HEATED RIGID PIPE

Interior view of pipe with protective cover and insulation removed to show heat control and many feet of heating element wound around pipe and cemented in place to maintain uniform temperature throughout entire length. Also, two views of single sections of varying length, each having variable thermostat.



#### APPLICATIONS

To increase the usefulness and adaptability of *STA-WARM* melt down and pressure tanks, electrically heated pipe for conveying melted materials is offered in any practical length and in several diameters.

The proper use of *STA-WARM* heated pipe is to maintain pre-heated temperatures while the material is being conveyed to point or points of application without a critical drop in temperature. The heating arrangement is not normally designed to increase temperature of materials during conveyance.

Materials commonly carried through *STA-WARM* pipe include potting compounds, pitch, asphalt, plastics, waxes, paraffin, resins, and adhesives as well as some of the low melting point soft metals.

#### LENGTH

A minimum length of 12 inches to a maximum of 20 and feet are available. It is generally recommended however,

that single lengths should not exceed 10 feet to expedite ease of handling and installing. Several sections of pipe may be connected by couplings, unions or flanges as required to reach greater distances. Successful installations having conveying distance of 400 feet have been made.

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#### DIAMETERS

Standard schedule 40 iron pipe sizes are 2", 1½", 1¼", 1", ¾" or ½". Other diameters and weights are available on special order.

#### CONSTRUCTION

Black steel pipe is standard but other materials are available. Included are stainless steel, brass, bronze, copper, aluminum, nickel and Monel metal. Both ends of each pipe section are threaded with standard pipe thread. Layers of heavy insulation within a sheet metal protective cover reduce heat loss to a minimum. *STA-WARM* pipe is heated by the well-known *STA-WARM* method which includes many feet of insulated heating element applied to the pipe over almost its length to assure uniform heat distribution.

Each length of pipe is separately wired and employs its own variable automatic thermostat of the bulb capillary type. Standard temperature range is

250°-550°F. However, other ranges are available on special order.

The thermostat on each section is calibrated at the factory as part of its 36-hour test before shipment.

#### VOLTAGES

Available voltages are 120, 208 or 240, single phase and 50 or 60 cycle only.