

# TECHNICAL HEATERS, INC.

## ELECTRICALLY HEATED

## SERIES 500 Operating Instructions



### GENERAL INFORMATION

All Technical Heaters, Inc. heated hoses come electrically and hydraulically complete. ***DO NOT*** cut or alter the enclosed hose under any circumstances.

### INSPECTION AND HANDLING INFORMATION

When removing hose from shipping container or spool, care should be taken to avoid kinking. At this time, please read all tags attached to hose to check for operating specifications. Avoid walking on, running over, or crushing hose in any way.

### INSTALLATION

Hoses should not be pulled or supported by fittings or tubing alone.

Care needs to be taken when making hydraulic connections to avoid kinking of core. This will cause a break in the seal and could lead to severe damage.

When installing multiple hoses, please allow a minimum distance of 1" between each hose. When using cable ties or pipe straps, use care to avoid compressing thermal insulation.

### OPERATION

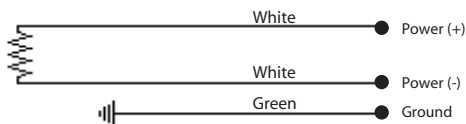
***DO NOT*** operate hose in a coil or an overlapped configuration.

The concentration of heat may cause severe damage. Electrically heated hoses are designed to run using standard voltages (120V, 240V, or 480V) or as specified on tag. Maximum operating temperature must not be exceeded. Operating Temperature based on customer specification.

### WIRING

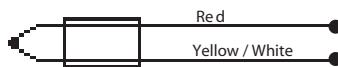
Heat/Line hoses are not self-controlled, except when specified, and must be used in conjunction with a temperature controller. All Technical Heaters, Inc. hoses have a built-in temperature sensor, it is located (2) two feet from the power end (unless otherwise specified).

#### HEATER

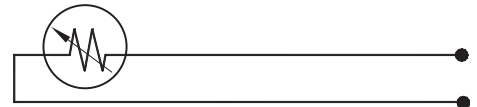


#### SENSORS

Type K/J T.C.



#### RTD-PT100



**PLEASE NOTE:** The temperature inside the core will be higher than the temperature outside the core where the sensor is located. The temperature difference will vary with each application, depending on the flow rate through the hose.

***CAUTION:*** Do not wrap hose with tape or other insulating materials. Do not operate hose with frayed or damaged insulation. Employ this hose only with chemicals that will not affect the integrity of the core.



**TECHNICAL HEATERS, INC.**