



General Considerations:

Wrap-It Heat Model TRX-55 Drum Heater is designed for heating materials with GOOD HEAT RECEPTIVITY. The thermostat bulb senses the temperature in an area remote from the active heating element. You have the choice of two thermostat ranges: HIGH 200°F to 400°F and LOW, 60°F to 250°F.

Standard units come in a 120 volt rating. The three heat switch allows three wattage settings per thermostat setting and voltage rating. They are High; for maximum watts; Medium; for 1/2 maximum watts and Low; for 1/4 maximum watts. TRX-55 comes equipped with a spring loaded toggle clamp for a snug fit to the drum, a six foot power cord and a three pin plug for grounded electrical operation.

Set Up Instructions:

After reviewing the WARNING INFORMATION included with this operating instruction, place the TRX-55 over the drum rim using the hook and chain to hang the heater from the drum rim. Mount the TRX-55 near the drum base. Tighten the clamp spring nuts after closing the clamp to ensure you have a snug fit between the drum heater and the metal drum.

CAUTION

Failure to secure an absolute tight fit between the drum heater and the drum surface may result in heater failure. If two TRX-55's are used on the same drum, be sure that the power cord of the uppermost drum heater falls upon an unheated section (clamping area) of the lower drum heater.

Before energizing your drum heater, make sure the content level in the drum you are heating is ABOVE the top edge of the heater band. Should the material level fall below the band, the heater may not cycle, eventually decreasing heater service life.

Model TRX-55 is equipped with two pilot lights; one green the other red. The GREEN pilot light will glow continuously as long as the heater is plugged into an active electrical outlet. The red pilot light will glow until the heater reaches the thermostat set temperature and then will go on and off as the thermostat cycles.

When you are heating NON-FLAMMABLE, NON-HAZARDOUS, material for the first time using Model TRX55, the material temperature should be monitored with a thermometer. Record the thermostat setting position for future reference.

The thermostat setting you have determined for one material and set of environmental conditions may not be accurate for a different material. Please repeat the entire set-up procedure with the new material to ensure that you secure the best results with Wrap-It Heat Model TRX-55.

Operating Instructions:

All material being heated by Model TRX-55 should be mixed during the heating process to secure an accurate temperature reading. The material near the outside of the drum and adjacent to the heater will heat faster than the material near the center of the drum.

You should not be heating heat sensitive materials with Model TRX-55. Heat the material to the desired temperature then turn the control back (c.c.w.) to the point where the thermostat just turns off as indicated by the red pilot light no longer glowing. The control will maintain the desired temperature within plus or minus twenty degrees Fahrenheit.

The thermostat is more accurate when the required material temperature is above that of the surrounding air. The temperature of the material in the drum also depends upon the drum placement (drafts, etc.), heater placement upon the drum (snug fit) and the heat receptive properties of your material. The drum seam, or any other defect in the drum should be spanned by the gap in the heater band (clamp area).

If your material is not heat sensitive the above procedure should be accomplished with the three heat switch set in the HIGH position, thus allowing the transfer of the maximum wattage determined by the voltage rating of your unit.

CAUTION

Be aware of the fact that the temperature of the heat band adjacent to the drum surface can reach 450°F to 500°F when the three heat switch is in the high position. These band temperatures were determined while heating a 55 gallon drum full of water. The heat band temperatures may vary when heating your material.





Installation Recommendations

for Wrap-It Heat Model TRX-55 Thermostat Controlled Drum Heater for Metal Drums

If the material you are heating accepts heat readily, you may maintain your desired temperature with the three heat switch set on the medium or even the low position.

Tempco's 120 volt/1,920 watt and 240 volt/3,000 watt drum heaters are equipped with a special, electrically grounded, three pin plug. IF YOU ALTER OR REPLACE THE PLUG YOU VOID YOUR WARRANTY.

For a 120 volt/1,920 watt units use a Hubbell single outlet #5361. For a 240 volt/3,000 watt unit use a Hubbell single outlet #5461. The outlets are available from your local distributor.

TRX-55 SPECIFICATIONS

Inner Diameter	22 1/2"
Ship Weight	14 lbs.
Operating Volts	120VAC or 240VAC
Power Output	1,920W@120V or 3,000W@240V
Thermostat Range	60°F - 250°F or 200°F - 400°F

Read This Warning Before Operating The Drum Heater For Metal Drums:

THE FOLLOWING PRECAUTIONS MUST BE OBSERVED TO AVOID POSSIBLE INJURY OR PROPERTY DAMAGE!

The Drum or Pail Heater MUST NOT be used in area where FLAMMABLE VAPORS may, AT ANY TIME, be present. Failure to observe this caution can result in a fire or explosion.



Monitor The Temperature While Heating Your Material

Do not use the Drum or Pail Heater to heat FLAMMABLE MATERIALS. Explosion or fire could result.

The Drum or Pail Heater surface is HOT during operation. Do not use the Drum or Pail Heater on or near where combustible substances can be ignited, resulting in a fire.



Never Use The Drum Heater To Heat Flammable Materials Or Use In Hazardous Areas!

To avoid heater failure, do not allow the heater and/or the controls to become wet or spill material upon them.

The Drum or Pail Heater must be ELECTRICALLY GROUNDED to avoid the possibility of electrical shock to the operator. Never alter or remove the special high ampere, three pin, electrically grounded plug supplied as an integral part of the heater.

The USER must determine the suitability of the Drum or Pail Heater for the intended heating application. DO NOT LEAVE the Drum or Pail Heater UNATTENDED during the heating cycle. Disconnect the heater from the wall receptacle when it is NOT in use.

The DRUM or PAIL HEATER is for INDOOR USE ONLY.

The level of the material being heated must be above the top edge of the Drum or Pail Heater to ensure the best temperature sensing and heater life.

Vent the container while heating or it may explode.

DO NOT use drain spouts or valves on drums or pails that can fail at elevated temperatures, causing leaks, loss of material and/or possible personal injury to the operator.



Make Absolutely Sure That The Drum Or Pail Heater Is Tightly Clamped Upon The Container!

NEVER use a Drum or Pail Heater inside or adjacent to HEAVY AIRBORNE DUST LOCATIONS such as grain elevators, grain silos, hay storage areas, etc.

Know how applied heat will affect your material before using the Drum or Pail Heater. If you are not sure how to heat your material, do not use the Drum or Pail Heater until you are informed as to how the application of heat will affect your material.