

Temperature Control Unit for Adhesive and Sealant Materials



**Water Heat-Only
Temperature Control System**

Product Features:

- Integral Water Circulator
- 1800 Watts of Heating Capacity
- Stainless Steel Circulation Tank
- Wall-Mount Style
- Water Over-Temp Protection
- Sight Glass Level Indication
- Low Water Switch
- Indicating Temperature Controller
- NEMA 12 Control Panel
- Water Shut-Off Valves
- 120 Volt AC Operation
- Up to 160° F Heating Capacity

“The Water Heat-Only TCU system is an innovative and high-technology accessory for general industry dispensing applications which provides a low cost solution for industrial processes.”

Customer Features and Benefits:

- Single Zone Water Jacketed Hoses and Components has lower cost total operating life
- Single Zone Temperature Control provides fast and easy temperature setting and change
- Compact system design reduces mounting space requirements
- Water Jacketed components reduce downtime, component and maintenance cost
- Circulating system provides accurate and even temperature control without spikes
- Unusual shaped or un-heated components can be jacketed to eliminate cold spots

Product Information

Note: Heat and Cool material temperature conditioners also available.

Available Heat-Only Material Temperature Conditioning Products
Wall Mount Water Heat-Only TCU with Reservoir, Circ. Pump, Control Panel, Temp. Controller
Cover Assembly for 2-Gallon Pressure Tank with Insulation Blanket and Velcro Closure
Cover Assembly for 5-Gallon Pressure Tank with Insulation Blanket and Velcro Closure
Cover Assembly for 10-Gallon Pressure Tank with Insulation Blanket and Velcro Closure
Cover Assembly for 15-Gallon Pressure Tank with Insulation Blanket and Velcro Closure
Water Traced Hose Cover (4-tube x 5.5") for 3/8" and 1/2" ID Fluid Hose (specify Hose length)
Water Traced Hose Cover (6-tube x 7") for 3/4" ID Fluid Hose (specify Hose length)



Heat-Only Temperature Conditioning Unit Mounted on Frame

Advantages to Water Heat TCU vs. Electric Heated Systems

- Price:** Typically, electrically heated hose systems are more expensive due to materials that make up the heated hose system cost more to manufacture and require more components to operate. Water traced/insulation covers replace more expensive heated hoses, and one temperature controller replaces the need for multiple zone controllers.
- Design Features:** The Water Heat-Only system is designed for wall or frame mounting. Power requirements are 120V/1PH/60HZ. The individual tubing in the traced covers provide excellent water flow distribution for greater heat transfer for the fluid hoses and pressure pots. This proven technology assures even thermal transfer and virtually eliminates "hot-spots" (and cold-spots) often found in electrically heated hose systems. Many sealants and adhesives materials today are heat sensitive and a hot spot could cure material in the hose causing a restriction or blockage in the system.
- Hose Temperature Control:** The Heat-Only TCU system is capable of heating from 60°F to 160°F, while maintaining a tolerance of $\pm 2^\circ\text{F}$ from set-point. Electrically heated hose systems can vary from set-point as much as 5°F to 20°F with each zone requiring its own dedicated controller.
- Pressure Tank Temperature Control:** Electric Band Heaters normally do not cover the entire material surface of the pressure tank, resulting in poor heat transfer to the material and heat being exhausted to the environment. Water Heat tubing in place of a band heater improves heat transfer by covering the entire area that comes in contact with the material.
- Maintenance:** The Water Heat-Only system is designed to operate over the life of the system at a fraction of the cost. In the event the electrically heated hose fails during production, the system would have to be shut down for expensive hose replacement. The Water Heat-Only system utilizes traced covers that wrap around an inexpensive standard fluid hose.