



ThermOmegaTech®



INSTALLATION INSTRUCTIONS PUMP THERMAL RELIEF

Therm-Omega-Tech, Inc. valve types: **HAT/RA**, **ECONO/HAT-RA**, **TV/HAT/RA**, and **HAT/RA-HP** are recommended for pump thermal relief applications to prevent excessive liquid temperatures in the pump due to dead heading or other low flow situations.

IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE REQUIRED FLOW CAPACITY TO PREVENT OVERHEATING AND TO SELECT THE CORRECT VALVE OR MULTIPLE VALVES TO ACHIEVE THE REQUIRED FLOW RATE.

CONSULT WITH THERM-OMEGA-TECH, INC. APPLICATION ENGINEERS FOR ASSISTANCE WITH YOUR APPLICATION OR FOR ANY QUESTIONS REGARDING SIZING, INSTALLATION OR MAINTENANCE.

1. Confirm that the maximum operating pressure marked on the relief valve is suitable for your application.
2. Install a strainer with #20 mesh screen ahead of valves.
3. Install relief valve with flow direction as marked on label.
4. Install thermal relief valve as close to the pump casing as possible to avoid delay in response. Valves with male inlet threads may be screwed directly into the pump casing. Valves with female inlet threads should be close nipped to the pump casing.
5. Typically, the thermal relief valves are open at the specified temperature and will be closed about 10°F below this temperature.
6. The outlet from the relief valve should be piped to a drain or return line at lower pressure than the pump inlet.
7. If freezing conditions are possible, precautions must be taken to prevent the pump, relief valve and drain line from freezing. Therm-Omega-Tech, Inc. also manufactures freeze protection bleeder valves which are suitable for many freeze protection applications. Consult factory for freeze protection assistance.

WARRANTIES AND DISCLAIMERS:

Therm-Omega-Tech Inc. warrants this product to be free from defects in material and workmanship for a period of 36 months. Cost of replacement will be prorated on the basis of the issue date of each unit. Units found to be defective will be replaced on a one to one basis, FOB Warminster, PA USA. Installation and use of this product is outside the control of **Therm-Omega-Tech Inc**; therefore, **Therm-Omega-Tech Inc.** disclaims any and all liabilities arising from its installation and or use, and furthermore, **Therm-Omega-Tech Inc.** makes no guarantees, either expressed or implied, in connection with its installation or use.