INSTALLATION INSTRUCTIONS
PUMP THERMAL RELIEF VALVES

ThermOmegaTech® valves: **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 deadheading 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.

REMEMBER: CONSULT WITH THERMOMEGATECH® 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 valve.
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 nippled to the pump casing.
5. The thermal relief valves 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.

ThermOmegaTech® also manufactures freeze protection bleeder valves which are suitable for many freeze protection applications. Consult factory for freeze protection assistance.

Proper Use: Use ThermOmegaTech® products only as specified to ensure performance, safety, and regulatory compliance.
No Modifications: Do not modify ThermOmegaTech® products, as changes may void warranties and violate regulations (e.g., RoHS, REACH).
Proper Disposal: Dispose of end-of-life products per local hazardous substance regulations; contact ThermOmegaTech® or recycling facilities for guidance.

WARNING: This product can expose you to chemicals, for example lead, nickel, acrylonitrile, which are known to the State of CA to cause cancer, birth defects, or reproductive harm. For more information, go to www.P65Warnings.ca.gov

Warranty information disclosed at www.thermomegatech.com/terms-conditions/

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