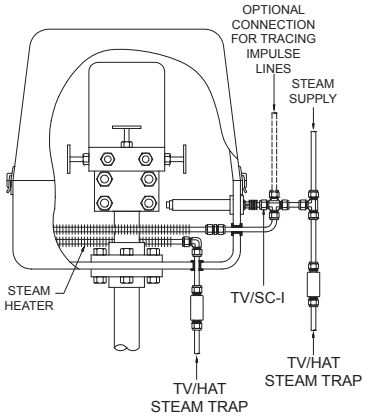
INSTALLATION INSTRUCTIONS
TV/SC-I

If installed and maintained as recommended, the **ThermOmegaTech® TV/SC-I** will give reliable and trouble free service.

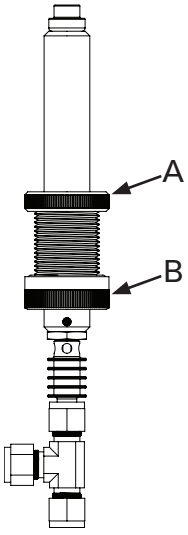
IMPORTANT: Before installation, please read and understand this sheet.

NOTE: The **TV/SC-I** is open at its stated temperature and closed approximately 10°F higher. Maximum Pressure: 200 PSI (13.8 BAR).



NOTE: THE STEAM SUPPLY TO THE TV/SC-I VALVE MUST BE TRAPPED AT THE VALVE INLET TO PREVENT FREEZE-UP WHEN THE VALVE CLOSES IN FREEZING WEATHER.

1. The **TV/SC-I** can be used with air, steam, water, oil, most fluids and gases or any media compatible with stainless steel and Teflon®.
2. The **TV/SC-I** may be installed as illustrated or it may be installed with the entire valve inside the enclosure.
3. The valve should be positioned so that the sensor at the end of the extension is 1-1/2 to 2" above the heater coil.
4. A weather-tight bulkhead connection is provided for the valve body (3/8" tubing bulkhead fittings are optional).
5. Source and inlet piping may be insulated. In steam service, valve body, inlet, and outlet piping should be insulated. Do not insulate yoke, isolation extension or sensor.
6. On installations where the valve is installed within the enclosure, the inlet piping should be insulated from the enclosure wall to the valve inlet to eliminate a constant heat source.
7. Tubing compression nuts on valve should be tightened to 1-1/4 turns from hand-tight. Do not overtighten.
8. Do not hold valve by yoke or extension to tighten connections. Use only special tee wrench or spud wrench on tee body of valve.



WEATHER-TIGHT BULKHEAD CONNECTIONS:

1. Remove ring A completely from valve assembly.
2. Insert valve extension through enclosure wall and slide bulkhead fitting to desired position.
3. Hand tighten cap B to lock fitting in desired position on valve.
4. With cap B firmly against enclosure wall, slide ring A over end of valve extension and hand tighten.
5. Additional assemblies may be used in same manner for 3/8" tubing connections. (3/8" tube bulkhead fittings are optional)

CAUTIONS:

Use only standard and proper connections • Do not overtighten connections • **Do not** hold valve by yoke or extension to tighten connections. Use only special tee wrench or spud wrench on tee body of valve. • Always test after installation and before use •Always test before winter and summer seasons • Always test after periods of non-use or inactivity • Test at regular intervals • **Do not** tamper with calibration adjustment. Tampering will change the set point and void the warranty.

TO TEST FOR PROPER SET-POINT

Remove from system and place entire valve in a bath at the open set-point (lower temperature). The valve should open within five minutes. Move the valve to a bath at a higher (closed) temperature. The valve should close bubble tight within five minutes.

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/

TVSCI_IMI
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