INSTALLATION INSTRUCTIONS
HST

1) The **HST** valve is typically installed in the sample line between the outlet of a sample cooler and the inlet of the analyzer or instrument. Note the marked flow direction on the valve.
2) A typical model number is ½" HST-XXX, where "XXX" is the specified full open temperature in degrees Fahrenheit. The **HST** is closed 10°F above the specified full open temperature.
3) If the sample temperature flowing through the **HST** is above the closing temperature, the **HST** closes to prevent over-temperature damage to the analyzer or instrument. Approximately 10°F below the closing temperature the **HST** is full open.

INTERNAL ENGINE ASSEMBLY REMOVAL FOR REPLACEMENT OR CLEANING

There are no typical maintenance related parts inside the **HST**. However, it is possible to remove and/or replace the entire "engine" assembly inside the valve. This engine assembly is a single assembly containing all internal parts. The **HST** must be removed from the line to perform this function.

1. Use a 5/16" or 8 mm hex Allen key; insert this tool into the **HST** outlet and engage tool into the hex socket at the engine outlet.
2. Turn hex key clockwise/inward to remove engine from the inlet end of the **HST**.
3. Do not open or attempt to open the engine assembly itself.
4. The engine assembly can be cleaned or replaced as required. Clean by soaking complete engine assembly in appropriate cleaning fluid and using a compressed air nozzle to blow out particulates.
5. When reinstalling engine into **HST** body, replace the O-ring at the base of the engine mounting threads. This O-ring is a standard dash size –012; the material is typically either EPDM or Viton. *Consult factory for which type is used in your valve.*

CLEANING OR FLUSHING COMPLETE HST VALVE ASSEMBLY

1. If the **HST** becomes clogged from accumulation of particulates inside the valve, reverse flushing the complete valve may alleviate the clogging.
2. Air, water, or other appropriate fluids may be used for flushing. Other appropriate fluids may be demineralizing fluids or solvents compatible with the seals and materials of construction of the **HST**.
3. With the valve well below the closing temperature, connect low pressure flushing fluid to the inlet or outlet of the valve or simply soak valve.
4. Rinse thoroughly and test for proper flow.

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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