

# WEISS INSTRUMENTS

## Thermal Isolator for Pressure Instruments

Coiled Tubing Assembly designed to protect Pressure Instruments from high medium temperature that might damage the instrument or affect its rated accuracy.

Capable of reducing process temperature up to 305°F (170°C).



Recommended for direct mounting instruments when the process temperature exceeds its maximum temperature rating. Air circulation along the 39" (1000 mm) length of the coiled tube dissipates heat from the process medium and reduces the temperature to acceptable levels when it reaches the instrument.

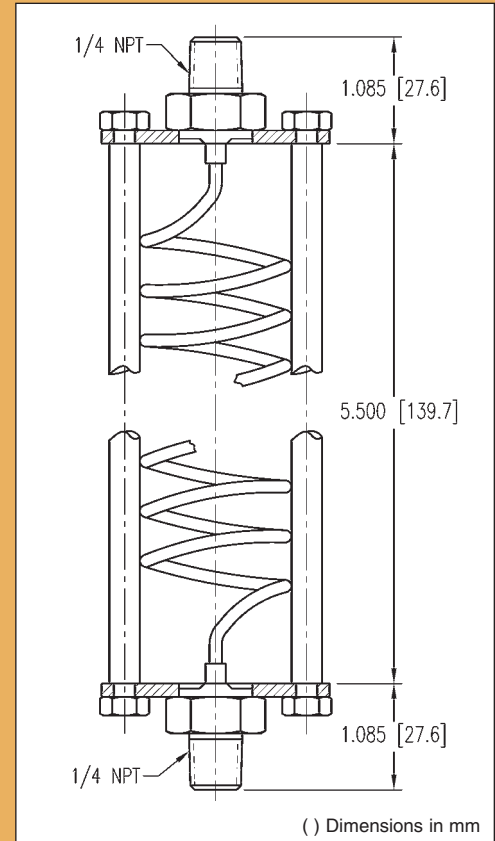
## SPECIFICATIONS

- All stainless steel construction.
- Process Temperature reduction up to 350°F (175°C)\*
- Coil ID sized to prevent clogging .055" (1.4mm).
- Standard process connection 1/4" NPT male, 1/4" NPT female.
- Customized configuration and connection available.
- Maximum operating pressure 1000 psi (7000 kPa).
- Maximum operating temperature 480°F (250°C).

\* Actual temperature reduction is dependent on specific ambient conditions and process flow characteristics.

CAT NO.	DESCRIPTION
TI25M	1/4" NPT Male Instrument Connection* 1/4" NPT Male Process Connection
TI25F	1/4" NPT Male Instrument Connection* 1/4" NPT Female Process Connection

\* Male instrument connection is standard, since the use of a Weiss 25NVSS Needle Valve is recommended between the gauge and isolator. See illustration below.



Following Weiss pressure gauge options are recommended for use in conjunction with the Thermal Isolator:

**NF402**  
**25NVSS**  
**TI25M**      **Gauge**  
                         **Valve**  
                         **Isolator**



**NF4UGY2**  
**25NVSS**  
**TI25M**      **Gauge**  
                         **Valve**  
                         **Isolator**



**DUGY2**  
**25NVSS**  
**TI25M**      **Gauge**  
                         **Valve**  
                         **Isolator**



TI-7/09