Flanged Immersion Heaters

Process Temperature & Overtemperature Controls

Temperature Control — Mechanical Devices

An integral on-off process temperature control thermostat can be factory installed into the housing of the heater. The sensing bulb of the thermostat is inserted into a thermowell in the center of the heating bundle. AR type mechanical controls (see Controls section for details) are utilized.

Mechanical Devices

Option Number	Thermostat Range
TI	0 - 100°F
T2	60 - 250°F
T3	200 - 550°F

Notes —

- A. The controls are for pilot duty only and must be connected to a remote mounted magnetic contactor.
- B. For explosion resistant heaters, an integral thermostat can only be specified on a 3, 5 and 6" flange immersion heater.

Temperature Control — Electronic Devices

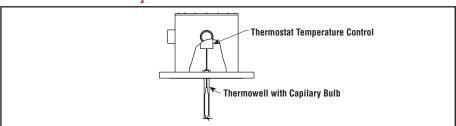
A process control thermocouple can be factory installed into a thermowell in the center of the heating bundle for process control. This thermocouple must be connected to a remote mounted electronic temperature controller.

Overtemperature Protection — Electronic Devices

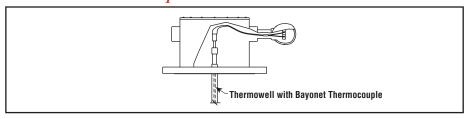
A thermocouple can be attached to the heating element sheath to switch the heater off in the event of a high temperature condition. This thermocouple must be connected to a remote mounted electronic high limit temperature controller.

Please refer to the Controls section for an overview of power control panels.

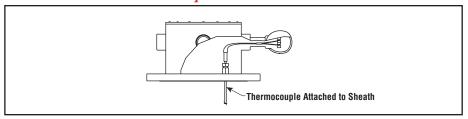
Mechanical Device Temperature Control



Process Control Thermocouple



Overheat Protection Thermocouple

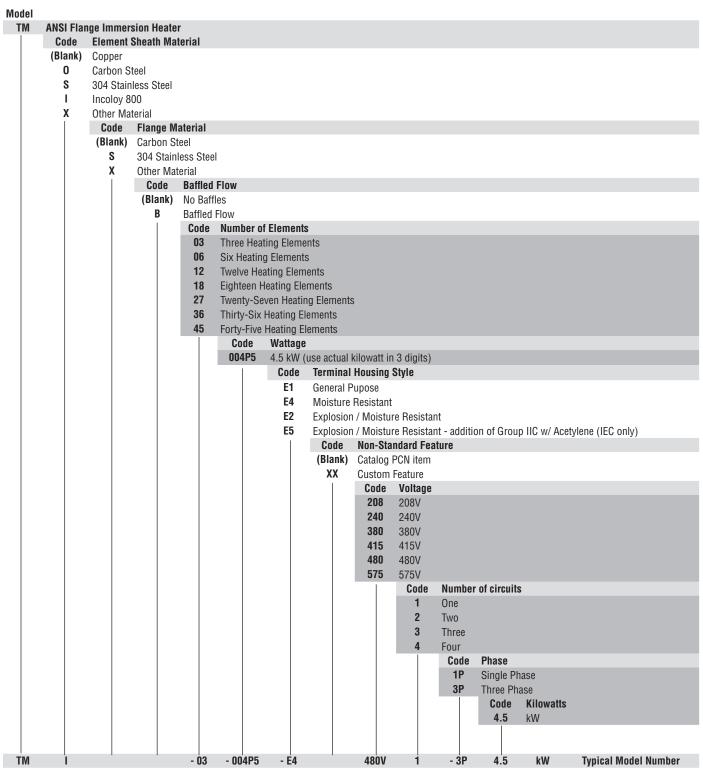


Immersion

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Process Temperature & Overtemperature Controls

Flanged Immersion Heater Model Descriptions



Example of Final Model Description: TMI-03-004P5-E4 480V 1-3P 4.5kW

Note: Shaded sections of the model build table are not a finite list. Items such as Number of Elements, Wattage, Voltage, Circuits, and Phase should be adjusted to match design.

