

# High Temperature VDP Equipment Specifications

## Heater Control Cabinet Specifications:

- Each cabinet can operate two T-assemblies and one Transfer Line.
- Customer provides the thermocouple and power connectors and inter-connect cabling between the heater control cabinet and the T-assemblies / Transfer Lines.
- Dimensions: 84" H X 61" W X 18" D
- Input power: 480 VAC, 60 Hz, 3 Phase (other voltages available upon request)

## Cleanout Assembly Specifications:

- Fabricated from 304L/316L stainless steel
- 316L hydraulic cylinder with position indication
- Variable stroke lengths are available upon request



## T-Section Specifications:

- Double wall, vacuum jacketed T-assembly fabricated from type 304L stainless steel
- Vapor transfer section: Heavy wall seamless tubing with all joints 100% penetration welded
- Three separate hot zones
- Redundant Thermocouples for each control zone
- Inspected & certified leak tight at a sensitivity of 5e-8 std cc/ sec of He
- T-Assembly height & length can be fabricated to suit customer requirements

## Transfer Line ("Joint Pipe") Specifications:

- Double wall, vacuum jacketed assembly fabricated from type 304L stainless steel
- Vapor transfer section: Heavy wall seamless tubing with all joints 100% penetration welded
- Three separate hot zones
- Redundant Thermocouples for each control zone
- Inspected & certified leak tight at a sensitivity of 5e-8 std cc/ sec of He
- Transfer Line length can be fabricated to suit customer requirements



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The welding standards that PVI must follow to produce the VDP equipment are the most demanding of all weld specifications in any industry. The welding standards are the same as required for nuclear reactors or space flight hardware. All internal welds are 100 % X-Ray inspected.