

**AEC**Material Handling | Process Cooling | **Temperature Control** | Size Reduction

TDV SERIES

Positive/Negative Water TCU



Technical Specifications

Troublesome cooling circuit leaks in processes can result in serious production losses. The leaks may be due to small stress cracks, which leak under pressure. Our Positive/Negative Pressure TCU uses a liquid venturi to draw cooling water through the mold under negative pressure.

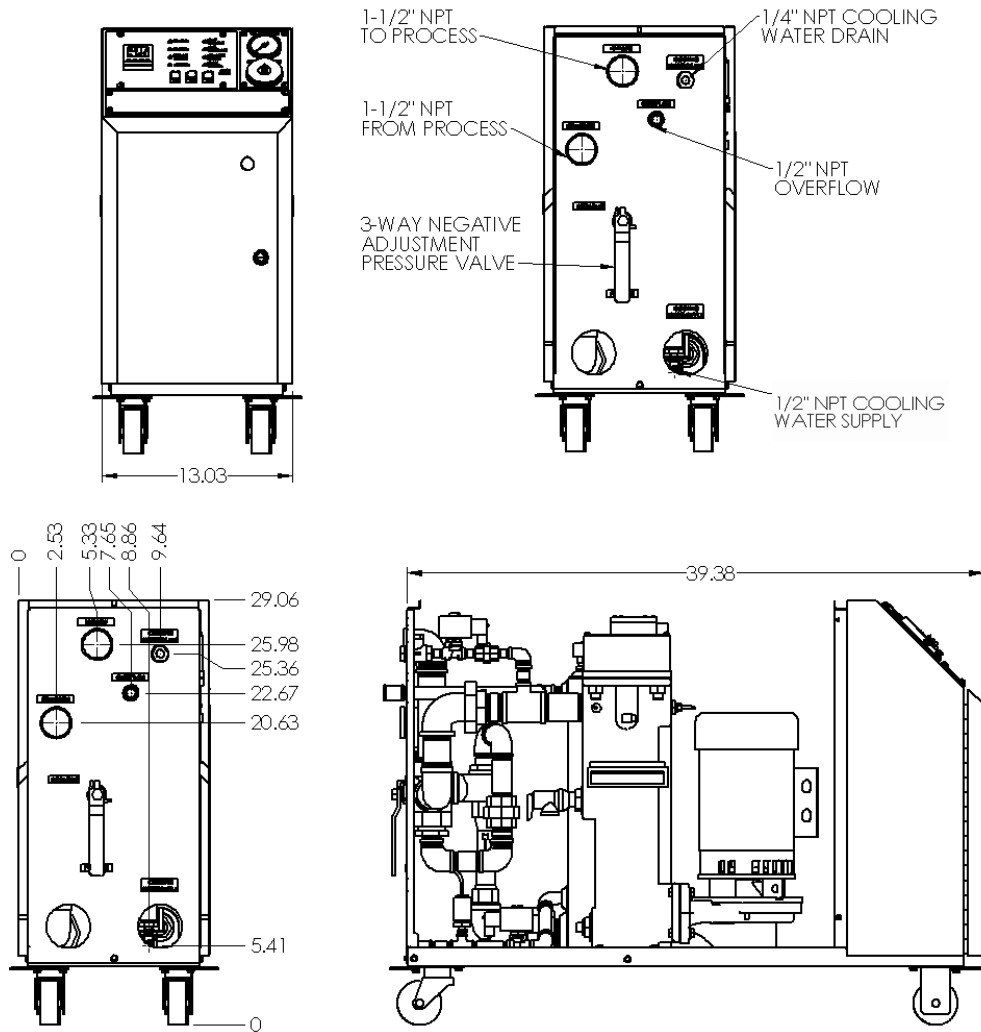
Precise temperature control is provided by the operation of a microprocessor controller, which activates a heater or a cooling water solenoid as required.

Features

Standard Features

- Off-the-shelf microprocessor-based PID temperature control with Process and Set Value LED readout
- Graphic control panel with indicating and warning status lights
- Operating range of 32°F to 180°F (0°C to 82°C)
- Open reservoir vented to atmosphere
- Single stage Incoloy™ immersion heater with IEC mechanical contactors
- 1/4" cooling solenoid valve (2 hp Cv = 0.50, 3 hp Cv = 0.72)
- Hi/low level sensor with 1/4" makeup solenoid valve
- 150 psi (10.3 bars) pressure relief valve
- 3" casters
- 1/2" cooling water supply
- 1/4" cooling water drain
- Manually-operated 3-way valve for changeover to negative pressure mode
- Centrifugal pump
- 1-year warranty on parts and labor at factory
- 3-year warranty on controller
- 460/3/60 voltage
- 9 or 12 kW heater
- High temperature safety switch

Product Diagrams



Specifications

Model	Pump, HP	Flow, GPM	Pressure, PSIG	Heater, kW	Depth in.	Height in.	Width in.	Shipping Wt., lbs.
TDV (2hp)	2	50	30	9	40	29	13	260
TDV (3hp)	3	60	40	12	40	29	13	270