



Smart Power in Temperature Regulation

Technical Specifications for Mold Oil Temperature Control Units (Up to 150°C)

Temperature Range: Heating: 40 / 150 °C

Temperature Control Accuracy: ± 1 °C

Heating Capacity: Heating Capacity 6 / 9 / 12 kw

Cooling Capacity: Cooling Capacity 20 kw

Fluid Type: Uses oil as the heat transfer medium, depending on the required temperature range and application.

Pump Specifications:

Flow Rate: Typically between 30 to 60 liters per minute (L/min).

Pressure: Operating pressure usually between 2 to 3 bar

Control System: Digital or programmable controllers with PID control. Userfriendly interface with LCD display for temperature settings and monitoring. Remote monitoring capabilities via Ethernet WiFi, or RS232/RS485, OPC UA

Safety Features: Overtemperature protection, Low fluid level alarms, Circuit protection (fuses, thermal overload).

Construction: Robust and corrosionresistant materials, steel & highgrade plastics. Compact design for easy integration into existing production setups.

Additional Features

Data Logging:

Ability to log temperature data for quality control.

Integration:

Compatibility with existing machinery and automation systems.

Maintenance Alerts:

Notifications for regular maintenance checks to ensure optimal performance.

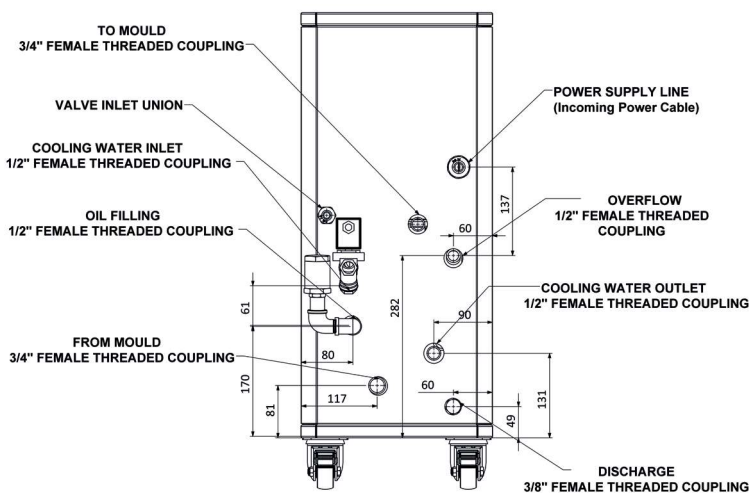
Operating Environment:

Designed for industrial conditions, capable of withstanding temperature and humidity variations.



Power Supply: Typically 3-phase power supply (380-480V), but singlephase options may be available.

Connections: Standardized fittings for easy connection to molds and other equipment. Inlet and outlet ports for the heat transfer fluid.



Thermotech Power oil mold temperature controllers with indirect cooling are used in various industries, particularly in injection molding, to maintain the optimal temperature of molds during production processes.

General Features

- Maximum oil set temperature 150 °C
- 6 / 12 kW heating power
- 20 kW cooling power
- Stainless steel tank
- Submersible turbine oil pump
- PLC / touch pad display
- Optional flow–pressure monitoring
- Optional communication Via RS 485

