

# Mold Temperature Controller

The mold temperature controller uses a liquid crystal display microcomputer controller for high precision temperature control with an error within  $\pm 0.1$  . It maintains constant temperature for long periods, offering high efficiency and energy savings.



## ADDITIONAL IMAGES



## Product Overview

### PRODUCTS DESCRIPTION

MOLD TEMPERATURE MACHINE  
WATER TYPE OIL TYPE MOLD  
TEMPERATURE CONTROLLER



Versatile temperature control unit supporting both water and oil media.

### Precision Thermal Management

This water/oil mold temperature controller utilizes an advanced microcomputer system to provide high-precision thermal regulation for industrial molding processes. Designed for versatility, the unit supports both water and oil media, ensuring optimal material compatibility and consistent production quality. With its robust safety suite and durable stainless steel heating components, it is engineered for long-term reliability and efficient operation in demanding manufacturing environments.

## Technical Specifications

### Temperature Control Precision

**0.1 °C**

Temperature Error

### Operating Temperature Range

Media Type	Max Temperature
Water	100°C
Oil	200°C

## Safety Features

### FEATURES:

- 1 The PID parameter self-tuning temperature controller is used to control the constant temperature in two directions (heating/cooling), keeping the time long, high control accuracy, and energy saving.
- 2 Over-temperature protection device.
- 3 Low liquid level, lack of medium protection device.
- 4 Power phase loss, reverse protection device.
- 5 Pump overload protection device.
- 6 Water (oil) pressure gauge device.

Advanced control interface featuring PID self-tuning and multi-level safety protection systems.

### Protection Mechanisms

Overheating Protection, Overload Protection, Low Water Pressure Alarm, Low Liquid Level Protection, Power Phase Loss Protection, Reverse Phase Protection, Pump Overload Protection

## Performance Features

### PRODUCT DETAILS



Industrial-grade components including high-pressure pumps and stainless steel heating barrels.

### Core Components & Materials

- Seamless stainless steel heating barrel (explosion-proof)
- High-temperature resistant circulation pump
- PID parameter self-tuning controller
- High-quality industrial contactors

## Application

### Supported Industries

Injection Molding • Food Processing • Pharmaceutical • Chemical Industry • Extrusion • Die-casting