



Heating and Cooling in a Single Unit

General features

Temperature Range: Typically operates between -5 °C and 90 °C, or even higher depending on the application. Some models offer a wider range for special applications.

Temperature Accuracy: Generally provides an accuracy between ± 0.5 °C and ± 1 °C, depending on the model. High-quality models can offer better precision.

Control Method: PID (Proportional-Integral-Derivative) control is commonly used for stable temperature regulation. Some controllers may offer adaptive control algorithms.

Heating/Cooling Capacity: Power output typically ranges from 6 to 120 kW, depending on the size of the system being controlled. Cooling systems may use refrigerants.

Response Time: Usually varies from a few seconds to several minutes, depending on the system design and thermal mass.

Chilltech temperature control units are specialized devices commonly used to regulate the temperature of systems in plastic processing or other industrial environments. These control units play an important role in processes where precise temperature management is critical for process stability and performance.

User Interface: Digital display (LCD or LED) for real-time temperature monitoring. Touchscreen or button interface for setting and adjusting parameters. Data logging capabilities for tracking temperature over time.

Connectivity: USB, RS-232, or Ethernet ports for data transfer and remote monitoring.



Safety Features: Over-temperature protection to prevent damage to the system. Alarm systems for temperature deviations outside the set limits. Circuit protection against electrical faults.

Power Supply: Standard voltage options (400 V–460 V) and frequency specifications (50/60 Hz). Backup battery options may be available for critical applications.

