MV3 Series
Temperature Controller

Advanced Temperature Control

- Permanent Self-Tuning Control
- Real-Time Mold Surveillance
- Industry 4.0 Compatible
- MoldScan Technology
ADVANCED CONTROL
With the ability to control numerous zones, the MV3 works in all types of applications. In addition to new construction, functions, and intuitive uses, the MV3 responds completely to the needs of each user and new concepts brought by Industry 4.0.

GENERAL SPECIFICATIONS
- From 8 to 96 zones
- Available in 4 sizes
- 7” or 10” color touchscreen
- Communication E17 - SPI - CANBUS - USB - OPCUA
- Small footprint
- 4 zones per power card concept (15A, per zone)
- Operates with insulated and non-insulated thermocouples

STANDARD FUNCTIONS
- Permanent Self-Tuning Control (*)
- 2 adjustable setpoint values
- Display of % power and load current per zone (Amps)
- High and Low Alarm (adjustable per zone, output on relay)
- Broken thermocouple (Display THC)
- Inverted thermocouple (Display THI)
- Automatic and Manual modes
- Zone Designation: MANIF1, SPRUE, TIP26
- Zoom in on 1 or more zones
- Keyboard locks with password
- Unlimited mold files
- Electrical data from mold saved for analysis
- Standard multilingual interface (11 available languages)

ADVANCED FUNCTIONS
- Programmable display of zone data
- Boost Function
  - Positive
  - Negative
  - Period of Time
- Percentage of Power Monitoring (%)
- Choice of 4 Soft-Start and Stop Programs
  (time duration, °C/minute, shifted, synchronized)
- Real-Time Mold Surveillance for deviations in electrical data
- Automatically switches to Manual Mode using last recorded Power Applied
- Zone Slaving
- Deferred Start (Time programming)
- Power-Saving Function able to limit peak current during Soft-Start

DIAGNOSTICS FOR MOLD UNDER CONTROL
- Diagnostic mold maintenance using mold scan
- PTI function
- Detect material leaks in real-time

(*) The MV3 Series uses a completely redesigned version of <<Permanent Self-Tuning Control>> software. This software continuously recalculates control parameters for each zone, immediately taking into account evolutions in the process. New Soft-Start modes, as well as commands for raising and dropping temperature, offer comfort and security for the operator.

ZONE & SCREEN OPTIONS

(XS)
Minimum 8 zones up to 16 zones
- 7” Color Touchscreen

(S)
Minimum 16 zones up to 24 zones
- 7” Color Touchscreen

(M)
Minimum 24 zones up to 64 zones
- 10” Color Touchscreen

(L)
Minimum 64 zones up to 96 zones
- 10” Color Touchscreen