



HOT RUNNER SYSTEMS

MELT LOGISTICS®

Precise multi zone temperature control

The compact easy-to-use mobile control unit:

I-Series Pro Temperature Controllers



I-Series Pro
(Europe)



I-Series Pro controllers are...

- Mobile multi-zone controllers
- With minimum 12 and maximum 96* control zones
- Consisting of
 - a) control cards with 2 control zones each
 - b) being placed into mobile cabinets of different sizes
 - c) including a 10.2" touch screen display on top
- To be used for hot runner systems with a high number of control zones → d).

*144 control zones on request

Functions and features

- Auto mode with PID2 control
- Automatic or manual modes of operation
- Soft start, boost and stand-by modes included
- Mold testing: Wires, thermocouples and heaters
- Overvoltage protection
- Heater short cut protection
- Alarm/Error Coding & Alarm History
- Three viewing display formats: text, graph and digital
- Thermocouple settings J or K type
- Setting can be switched between °C and F°
- Wiring and connection according to customer specification
- Multi-language interface:
 - English → Russian
 - German → Polish
 - Italian → Chinese
 - Spanish → Japanese
 - Swedish → Korean

Benefits

- Precise temperature control for a high no. of control zones
- Compact and mobile control unit
- Intuitive and easy usage via touch screen



Modes of operation and functions

Modes of operation

- Auto mode (standard)
- Zero crossing or phase angle fire
- Standby mode
- Manual mode
- Boost mode

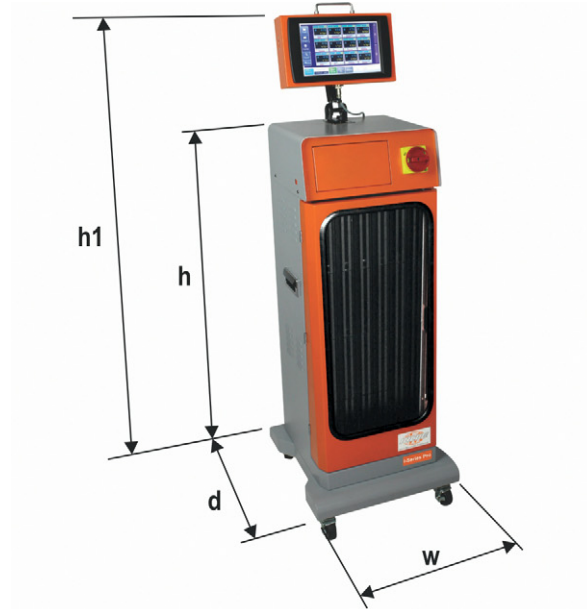
Protection functions

- Ground fault
- T/C open
- Over current
- Soft-start
- High/low current
- Overvoltage protection
- Heater short cut protection

Enhanced operation functions

- Multi-language interface: EN, DE, IT, ES, SE, RU, PL, CN, JP, KR
- Mold testing: Wires, thermocouples and heaters
- Mold set up storage - internally & via USB
- Alarm/Error Coding & Alarm History

Standard models	h1	h	w	d
12 zone controller	802	533	440	460
24 zone controller	988	719	440	460
36 zone controller	1174	905	440	460
48 zone controller	1360	1091	440	460
60 zone controller	1566	1297	480	500
72 zone controller	1224	955	860	500
84 zone controller	1410	1141	860	500
96 zone controller	1410	1141	860	500

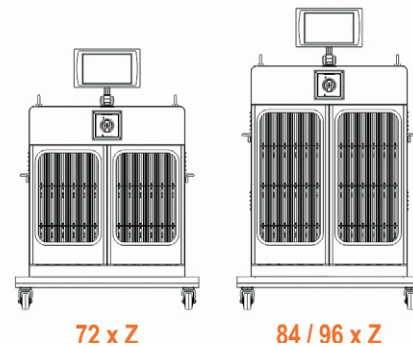
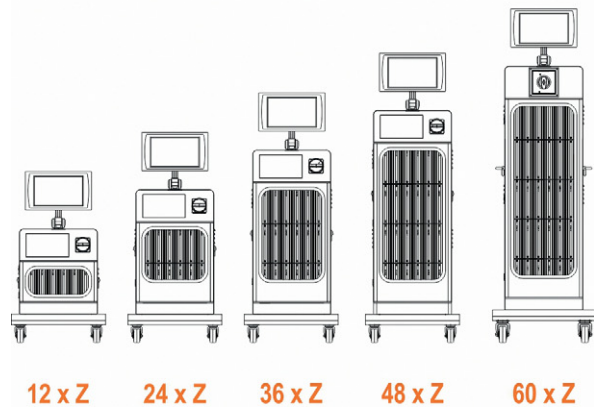


Temperature control	
No. of control zones	12...96*
Zones per control card	2
Control algorithm	PID2
Control accuracy	± 0,3 °C
Calibration accuracy	0,1 °C
Operation range	30...500 °C
Temperature display	°C / °F
User selectable standby temperature	30...500 °C

*144 control zones on request

Signal input	
Thermocouple type	J / K
Internal cold junction compensation	✓
External resistance	10 M Ohm

Electro specification	
Input power, 3 phase (5 wires: 3Ph +N +E)	240 / 230 V AC
Frequency	50/60 Hz
Current/power per control zone	15 Amp / 3600 W
Customized wiring and connections	✓
Ambient temperature for operation	0...50 °C
Operation humidity, non-condensing	...90%



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