



# Temperature control units DPT6 to DPT24

The temperature control units of the DPT series feature comprehensive functions for the reliable control of complex hot runner systems.

## TECHNICAL DATA

### DPT6, DPT12, DPT18 and DPT24

|                               |                       |
|-------------------------------|-----------------------|
| <b>Control circuits</b>       | 6, 12, 18 or 24       |
| <b>Operating voltage</b>      | 230 V <sub>AC</sub> * |
| <b>Dimensions (W × H × D)</b> | 365 × 195 × 400 mm    |
| <b>Weight</b>                 | 20.0 kg               |

\*Volts alternating current

## NOTE

Up to three units can be coupled together. The cables between the control unit and the hot runner system are not included in the scope of supply.

| Order designation | Output rating                   |
|-------------------|---------------------------------|
| DPT6              | 6 × 230 V <sub>AC</sub> */16 A  |
| DPT12             | 12 × 230 V <sub>AC</sub> */16 A |
| DPT18             | 18 × 230 V <sub>AC</sub> */16 A |
| DPT24             | 24 × 230 V <sub>AC</sub> */16 A |

## Product description

- Self-optimizing control – the control unit adapts its control behaviour to the connected load
- 7" touch LCD with a display resolution of 800 × 480 pixels, TFT, 18-bit colour depth, capacitive multitouch
- Up to 24 control circuits in a single ultra-compact housing
- By coupling control units of type DPT24, up to 72 control circuits can be implemented
- Protection against erroneous connection – checks are made to determine whether a thermocouple has inadvertently been connected to the heating circuit
- Thanks to automated load recognition, the control unit can detect whether a nozzle or manifold is connected
- Leakage detection: The control unit can detect whether plastic is coming out of a nozzle unintentionally.
- Data exchange via USB interface

## Coupling examples:

|                        |                     |
|------------------------|---------------------|
| DPT24 + DPT6:          | 30 control circuits |
| DPT18 + DPT18:         | 36 control circuits |
| DPT24 + DPT18:         | 42 control circuits |
| DPT24 + DPT24:         | 48 control circuits |
| ...                    |                     |
| DPT24 + DPT24 + DPT24: | 72 control circuits |

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