

## OIL TEMPERATURE CONTROLLERS

### TBH-OH / TBH-OHT

The new Green Box range of temperature controllers has been designed to meet temperature requirements up to 190 °C with TBH-OH and 250 °C with TBH-OHT.

Polymers such as PTFE, PEEK, PSU, PPS, PES, LCP, PEI require much higher mould temperatures than 50 to 140 °C, typical of classical plastic materials.

Other industrial processes such as die casting require temperature control at temperatures higher than 200 °C.

These units, available in a wide range of models, are the ultimate answer to our customer needs.

#### MAIN FEATURES

- Armoured 3-phase stainless steel electrical heater/s with low specific heating capacity (W/cm)
- Microprocessor accurate temperature control (accuracy  $\pm 0.5^{\circ}\text{C}$ ), with PID algorithm both in heating and cooling mode and automatic heating unloading in double-triple heater models
- User friendly interface and no need of complicated settings due to the self tuning software standard provided
- Manual oil filling
- 6 litres expansion tank with magnetic level switch
- High efficiency heat exchangers specifically developed for high temperature applications
- Forced cooling function to make mould change easier
- Optional remote temperature sensor (directly in the mould)
- Safety thermostat
- Efficient thermal insulation of all the heaters and exchanger shells
- Acoustic alarm
- Oil leak alarm
- Swivelling wheels with brake standard provided
- Low noise level - below 70 dB (A)
- 400 V - 3 - 50 Hz standard power supply
- 24 V auxiliary circuit
- CE conform standard components and assembly
- Double impeller centrifugal pumps (TBH-OH) with high temperature mechanical sealings
- Magnetic driven pump for TBH-OHT

#### TBH - OH



#### OPTIONS

- Pumps with higher performance
- Reversible pump (only for TBH-OH)
- Double heat exchanger (only with one or two heaters)
- Daily-weekly timer
- Power supply different from standard
- Custom units with higher global performances