

The new Green Box range of temperature controllers has been designed to meet temperature requirements up to 200 °C with TB-OH and 250 °C with TB-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/cm²)
- 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 complicate settings due to the self tuning software standard provided
- Manual oil filling
- 6 litre 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 (TB-OH) with high temperature mechanical sealings
- Magnetic driven pump for TB-OHT

OPTIONS

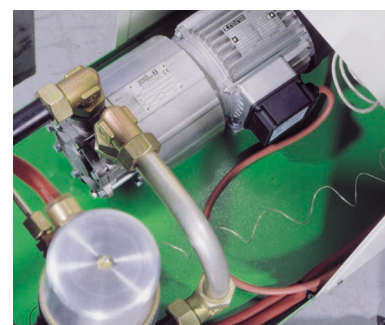
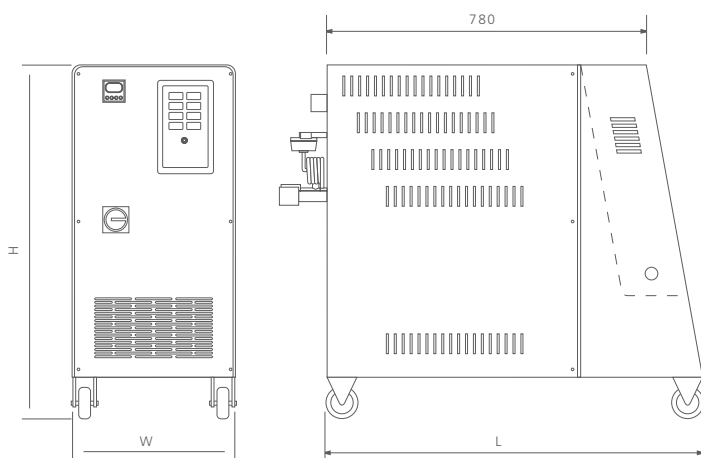
- Pumps with higher performance
- Reversible pump (only for TB-OH)
- Double heat exchanger (only with one or two heaters)
- Daily-weekly timer
- Power supply different from standard
- Custom units with higher global performances

TECHNICAL DATA

MODEL		TBH 3-OH	TBH 4.5-OH	TBH 6/2-OH	TBH 9/2-OH	TBH 12/3-OH	TBH 13.5/3-OH
MAX. TEMPERATURE	°C	190	190	190	190	190	190
HEATING POWER <i>no. of heaters</i>	kW	3 1	4.5 1	6 2	9 2	12 3	13.5 3
COOLING CAPACITY*	kW	51	51	51	51	51	51
PUMP <i>power flow rate pressure</i>	kW l/min w.p.g.	0.75 16/70 42/24	0.75 16/70 42/24	0.75 16/70 42/24	0.75 16/70 42/24	1.1 16/80 52/40	1.1 16/80 52/40
TOT. NOMINAL POWER	kW	3.7	5.2	6.7	9.7	13.1	14.6
EXPANSION/FILLING TANK	litres	10	10	10	10	10	10
PIPE CONNECTIONS	BSP	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
DIMENSIONS <i>length width height</i>	(L) mm (W) mm (H) mm	920 400 890	920 400 890	920 400 890	920 400 890	920 400 890	920 400 890
NET WEIGHT	kg	85	85	90	90	95	95

MODEL		TBH 3-OH	TBH 4.5-OH	TBH 6/2-OH	TBH 9/2-OH	TBH 12/3-OH	TBH 13.5/3-OH
MAX. TEMPERATURE	°C	230	250	250	250	250	250
HEATING POWER <i>no. of heaters</i>	kW	3 1	4.5 1	6 2	9 2	12 3	13.5 3
COOLING CAPACITY**	kW	70	70	70	70	70	70
PUMP <i>power flow rate pressure</i>	kW l/min w.p.g.	1.0 5/55 55/5	1.0 5/55 55/5	1.0 5/55 55/5	1.0 5/55 55/5	1.0 5/55 55/5	1.0 5/55 55/5
TOT. NOMINAL POWER	kW	4	5.5	7	10	13	14.5
EXPANSION/FILLING TANK	litres	10	10	10	10	10	10
PIPE CONNECTIONS	BSP	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
DIMENSIONS <i>length width height</i>	(L) mm (W) mm (H) mm	920 400 890	920 400 890	920 400 890	920 400 890	920 400 890	920 400 890
NET WEIGHT	kg	85	85	90	90	95	95

* with oil at 160°C, water at 10°C - ** with oil at 210°, water at 10°C
Green Box L.t.d. reserves the right to change the specification of these machines without previous notice.



Emissione 07.2001/ Cod. 2090200

GREEN BOX

GREEN BOX s.r.l.
Via G. Galilei, 2
35028 Piove di Sacco (Padova) Italy
Tel. ++39 049 9703319
Fax ++39 049 9701968



www.greenbox.it
E-mail: info@greenbox.it