

MULTI-TEMP

TEMP 95 & TEMP 120

The Boe-Therm MULTI-TEMP series delivers high quality industrial water temperature controls up to 95 °C or 120 °C.

The MULTI-TEMP units are available with heat capacities from 4.5 up to 36 kW as standard.

Furthermore, our MULTI-TEMP units can be supplied with many additional features and communication protocols for external machines.

Standard features:

- Easy operation with digital display.
- Automatic restart.
- Temperature monitoring with alarm function.
- Automatic water filling.
- Indirect and direct cooling.
- Up to 120 °C.
- Up to 115 l/min.
- Energy efficient pump.
- Low noise.

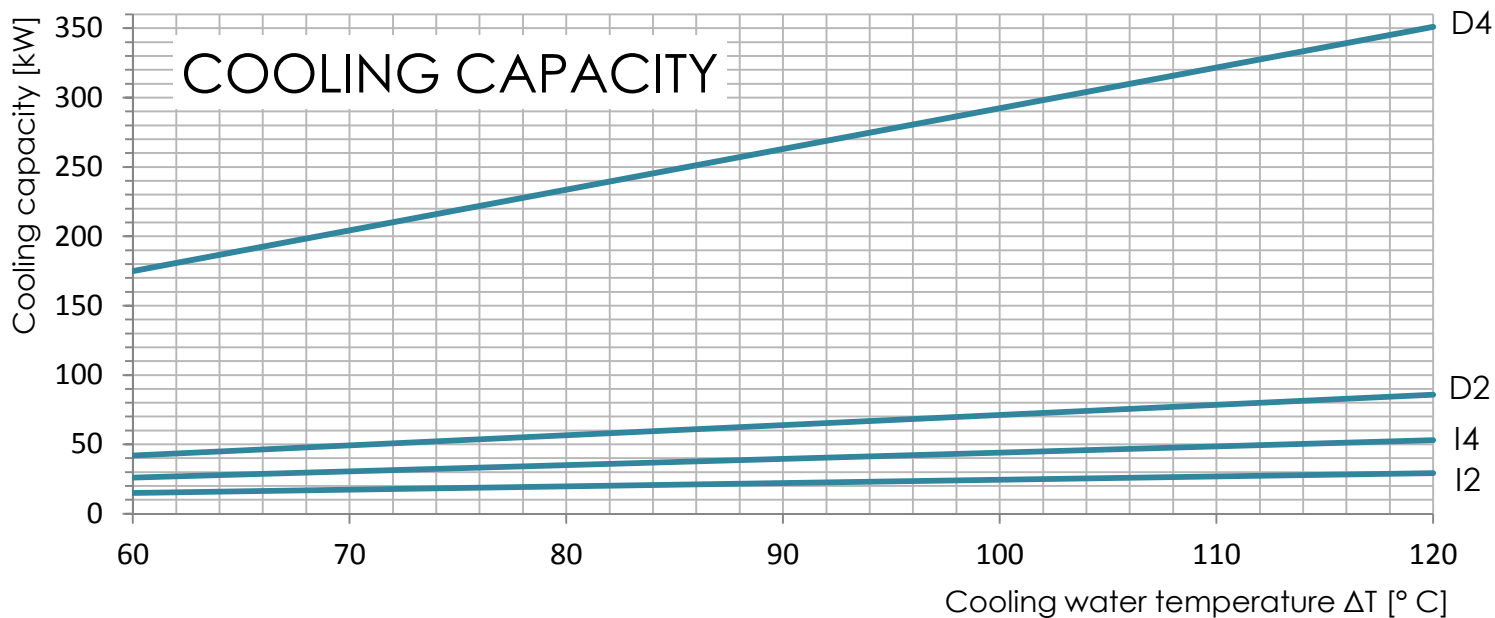
Additional features:

- Mould drain.
- Vacuum during operation.
- External temperature sensor.
- Flow measurement and monitoring.
- Communication with external machines.
- Pressure relief after stop.



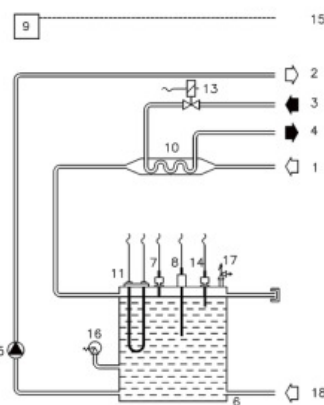
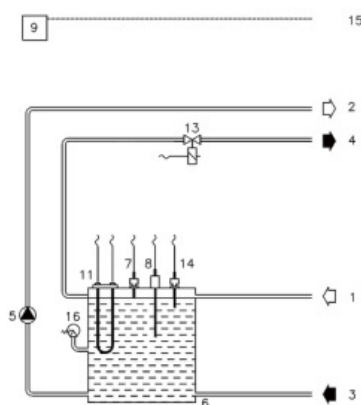
Technical Specifications:

| | | | | | |
|--|---|-------|------|-------|------|
| Temperature: | 10 - 95 °C or 10 - 120 °C | | | | |
| Heating capacity: | 4,5 kW – 9 kW – 13,5 kW – 18 kW – 27 kW – 36 kW | | | | |
| Heat transfer medium: | Water | | | | |
| Pump performance: | | Max. | Max. | Nom. | Nom. |
| | | l/min | bar | l/min | bar |
| | M3 | 75 | 2,8 | 50 | 2 |
| | M4 | 85 | 5,6 | 50 | 3,8 |
| | M5 | 115 | 5,8 | 85 | 4,3 |
| Cooling capacity at $\Delta T = 60$ °C | Direct cooling: D2 = 42 kW, D4 = 175 kW Indirect cooling: I2 = 15 kW, I4 = 28 kW | | | | |
| Hose connection: | 1/2" (standard) | | | | |
| Voltage: | 3x400 V / 50 Hz, 3x230 V / 50 Hz 3x460 V / 60 Hz, 3x230 V / 60 Hz <i>Other voltages on request.</i> | | | | |
| Dimensions: | Up to 18 kW: L/W/H: 650/265/650 mm incl. wheel Up to 36 kW: L/W/H: 855/330/800 mm incl. wheel | | | | |
| Tank volume: | Up to 18 kW: 6 liter Up to 36 kW: 2x6 liter | | | | |



Direct Cooling

Indirect Cooling



- | | |
|--------------------------|-----------------------------|
| 1. From process | 10. Heat exchanger |
| 2. To process | 11. Heating element |
| 3. Inlet, cooling water | 12. Disp. |
| 4. Outlet, cooling water | 13. Solenoid valve, cooling |
| 5. Pump | 14. Overheating protection |
| 6. Tank | 15. External sensor |
| 7. Level sensor | 16. Safety valve |
| 8. Temperature sensor | 17. Ventilating valve |
| 9. Processor controller | 18. Refilling |

Other standard products from Boe-Therm:

TEMP 160 MAGNETIC

10-160 °C
4,5-18 kW
Water



TEMP 150

30-150 °C
3-9 kW
Oil



TEMP 300

30-300 °C
9-36 kW
Oil



TEMP 350

30-350 °C
9-36 kW
Oil



Boe-Therm customized solutions:

Boe-Therm also engineers to order (ETO) according our customer's specific needs.

Do not hesitate to contact us in order to discuss your special requirements.

We also offer special solutions with:

- Frequency driven pumps.
- Higher flow and heating capacities then our standard product program.

Boe-Therm chillers:

Boe-Therm also supplies high quality chiller equipment:

- Standard solutions up to 50 kW cooling capacity.
- Customer specific solutions up to 2.000 kW cooling capacity.