

TEMP 160 MAGNETIC

Boe-Therm TEMP 160 MAGNETIC is a high quality industrial water temperature control up to 160 °C.

TEMP 160 MAGNETIC units is available with heat capacities from 4,5 up to 18 kW as standard.

TEMP 160 MAGNETIC is equipped with a magnetic driven pump without a mechanical shaft seal. With other words: pump leakage will never occur.

Furthermore, TEMP 160 MAGNETIC 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 160 °C.
- Up to 90 l/min.
- Magnetic driven pump without mechanical shaft seal.
- Low noise.
- Pressure relief after stop.

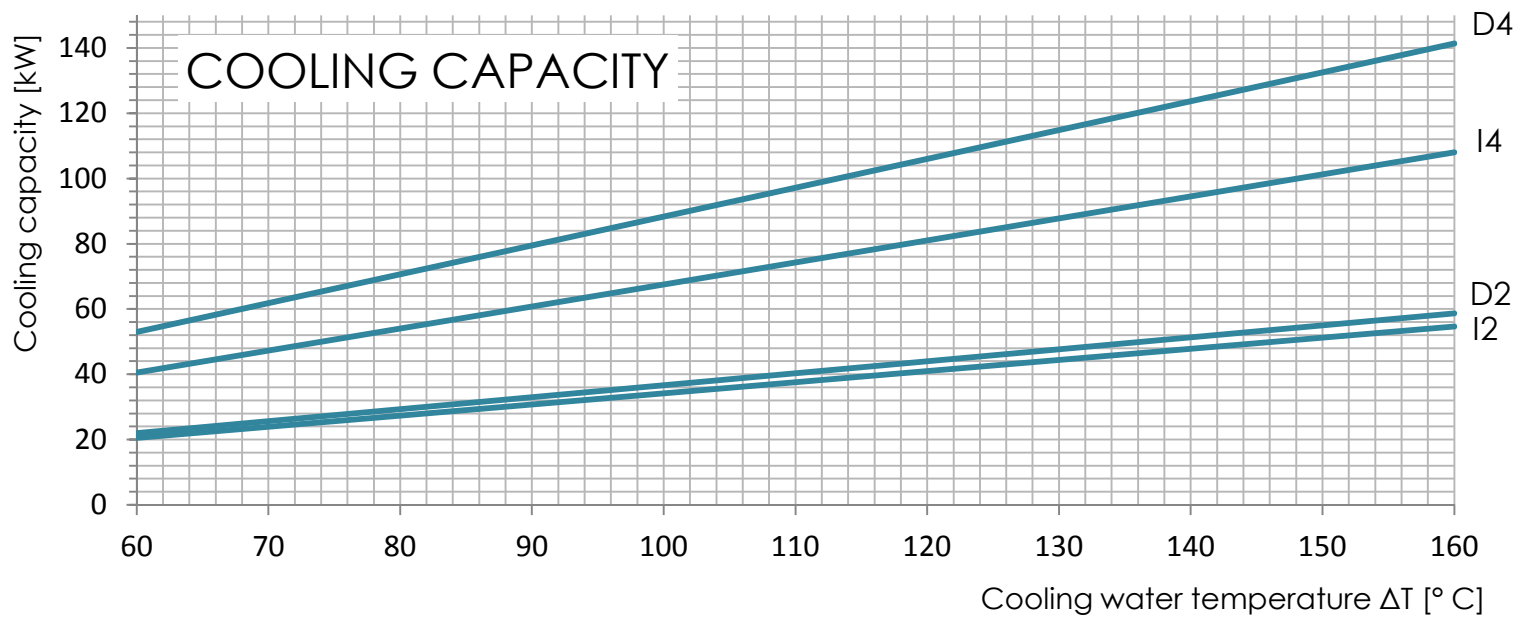
Additional features:

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



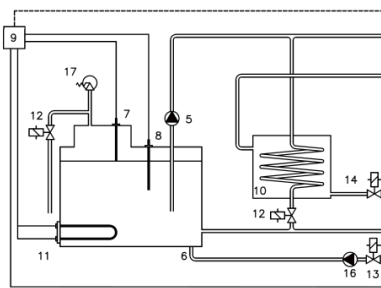
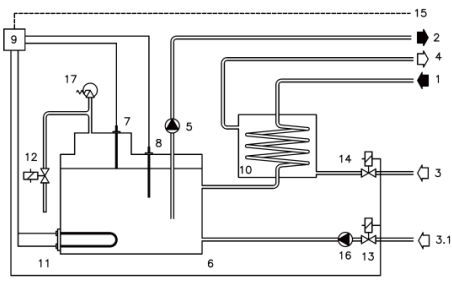
Technical Specifications:

Temperature:	10 - 160 °C			
Heating capacity:	4,5 kW – 9 kW – 13,5 kW – 18 kW			
Heat transfer medium:	Water			
Pump performance:	Max.	Max.	Nom.	Nom.
	l/min	bar	l/min	bar
	Q3	30	7,0	15
	Q6	60	5,7	30
	Q9	90	8,0	45
				4,1
Cooling capacity at $\Delta T = 120$ °C	Direct cooling: D2 = 44 kW, D4 = 106 kW Indirect cooling: I2 = 41 kW, I4 = 81 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:	L/W/H: 650/265/650 mm incl. wheel			
Tank volume:	6 liter			



Direct Cooling

Indirect Cooling



- | | |
|--------------------------|------------------------------|
| 1. From process | 10. Heat exchanger |
| 2. To process | 11. Heating element |
| 3. Inlet, cooling water | 12. Solenoid valve, breather |
| 3.1 Filling | 13. Solenoid valve, filling |
| 4. Outlet, cooling water | 14. Solenoid valve, cooling |
| 5. Pump | 15. External sensor |
| 6. Tank | 16. Booster pump |
| 7. Level sensor | 17. Breather |
| 8. Temperature sensor | |
| 9. Processor | |

Other standard products from Boe-Therm:

MULTI-TEMP

10-95 °C
10-120 °C
4,5-36 kW
Water



TEMP 150

30-150 °C
3-9 kW
Water



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.