

TEMP 300

Boe-Therm TEMP 300 is a high quality industrial oil temperature control up to 300 °C.

TEMP 300 is available with heat capacities from 6 up to 36 kW as standard.

TEMP 300 is built with a submerged pump into the oil reservoir and is designed without a mechanical shaft seal which ensures that pump leakage never occurs.

Furthermore, TEMP 300 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.
- Electronic oil level censoring.
- High isolation against loss of heat.
- Up to 300 °C.
- Up to 66 l/min.
- Low noise.
- Pressureless operation.

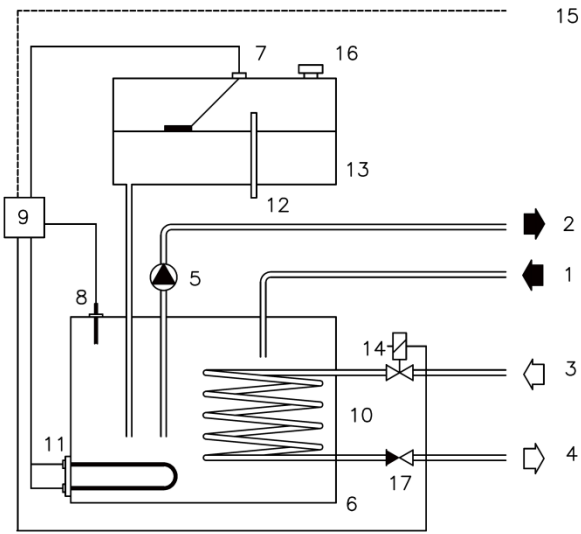
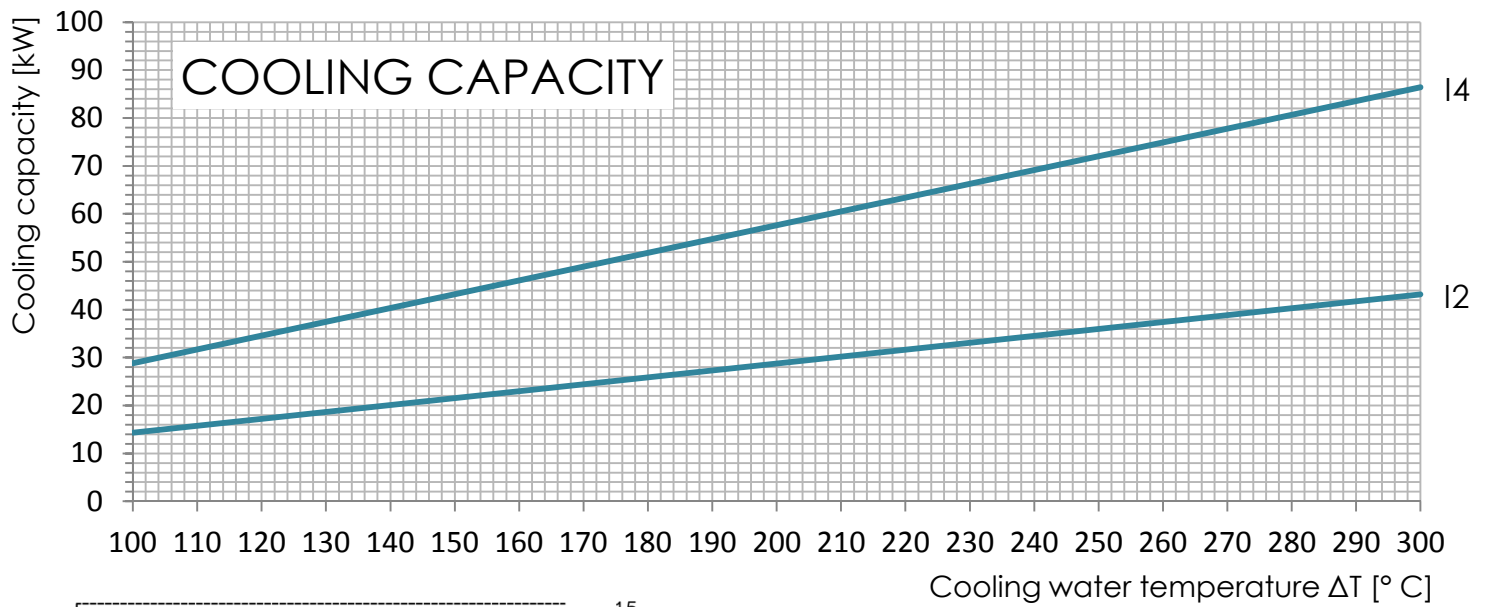
Additional features:

- Mould drain.
- Vacuum during operation.
- External temperature sensor.
- Communication with external machines.

Technical Specifications:

Temperature:	30 - 300 °C			
Heating capacity:	6 kW – 9 kW – 12 kW – 18 kW – 24 kW – 30 kW – 36 kW			
Heat transfer medium:	Oil			
Pump performance:		Max.	Max.	Nom.
		l/min	bar	l/min
				bar
	P3	66	3,4	40
	P4	66	4,4	40
				3,3
Cooling capacity at $\Delta T = 250\text{ °C}$	Indirect cooling: I2 = 36 kW Indirect cooling: I4 = 72 kW			
Hose connection:	1/2" 3/8"			
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 12 kW: L/W/H: 855/330/890 mm incl. wheel Up to 36 kW: L/W/H: 855/495/985 mm incl. wheel			
Tank volume:	6 kW: 18 liter int. & max. 32 liter ext. process vol. 9-12 kW: 27 liter int. & max. 23 liter ext. process vol. 18 kW: 49 liter int. & max. 27 liter ext. process vol. 24-36 kW: 65 liter int. & max. 11 liter ext. process vol.			





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

Other standard products from Boe-Therm:

MULTI-TEMP

10-95 °C
10-120 °C
4,5-36 kW
Water



TEMP 160 MAGNETIC

10-160 °C
4,5-18 kW
Water



TEMP 150

30-150 °C
3-9 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.