

TT-608 Z

Oil temperature control unit

System with 2 temperature control circuits for cyclic heating and cooling



Oil up to 300°C

Heating capacity **24 kW | 48 kW**

Cooling capacity **93 kW @ 90°C**

Cooling system indirect

Application: mould with fast temperature changes



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature control
- Heating switchable in stages
- Heaters with cascade connection
- Pressure display

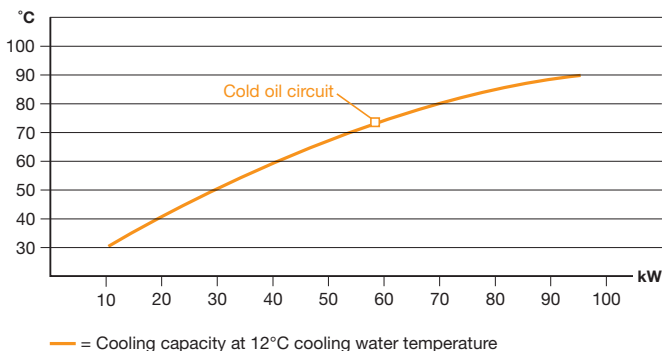
Construction

- High temperature pump with mechanical seal
- Internal with two independent temperature circuits, which are switched by pneumatic valves
- No cracking of the oil thanks to special heating construction
- Expansion tank with drip pan
- Unit on adjustable feet

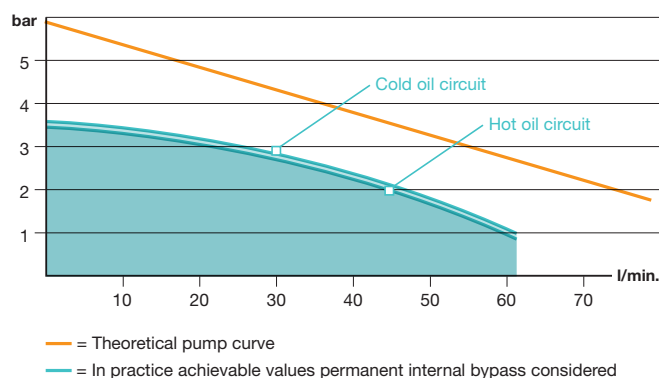
Safety features

- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity



Pump capacity



Technical data

Product attribute	Unit	TT-608 Z	
Oil circuit type		Hot oil circuit	Cold oil circuit
Temperature range	°C	80°C up to 300°C	30°C up to 80°C
Temperature control		Self-optimizing, electronic microprocessor controllers MP-888 with digital display of the set and actual value. Automatic temperature monitoring.	
Flow control		Electronically, with digital display and automatic control of the minimum flow.	
Heating capacity	kW	24 kW	48 kW
Switchable in stages		8/16	24/24
		Automatic switching of the required heating power	
Cooling capacity			Approx. 93 kW at 90°C – see diagram
Pump capacity			
Motor	kW	1.8 kW	
Pressure mode		Max. 5,5 bar / max. 100 l/min – see diagram	
Expansion tank capacity		96 litres	
Filling amount		100 liters (hot oil circuit 50 litres / cold oil circuit 50 litres)	
Expansion volume		75 litres	
Connections			
Oil circuit		¾" BSP female thread	
Cooling water		¾" BSP female thread	
Compressed air		¼" BSP female thread, min. 4 bar	
Dimensions (L×W×H)	mm	1'710×790×1'540 mm, incl. adjustable feet	
Weight	kg	Approx. 540 kg empty	
Colour		Silvergrey RAL 7001	