

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

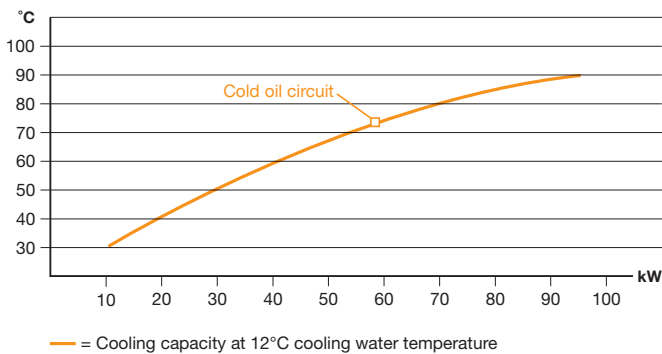
Construction

- 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

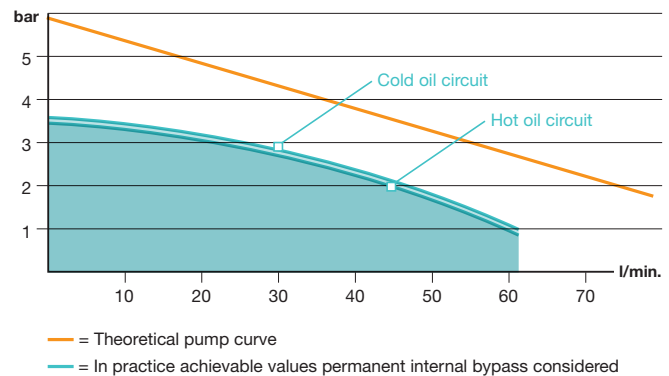
Safety features

- 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 | |