

TT-608 Z

Oil temperature control unit

System with 2 temperature control circuits for cyclic heating and cooling



Oil up to 572°F

Heating capacity
81'891 BTU/hr
163'783 BTU/hr

Cooling capacity **93 kW** @ 194°F

Cooling system indirect

Application: mold with fast temperature changes



Functions

- Self-optimizing temperature controller with temperature display 1/10°F – 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

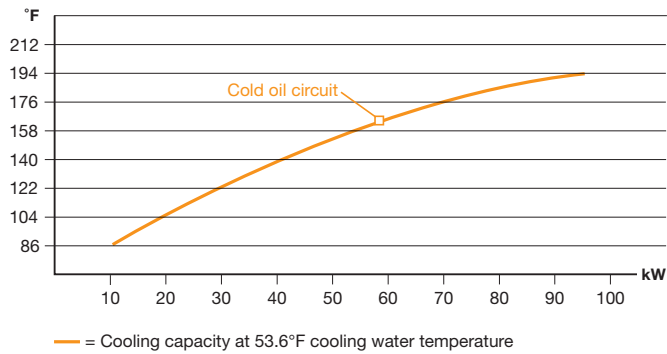
Construction

- 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

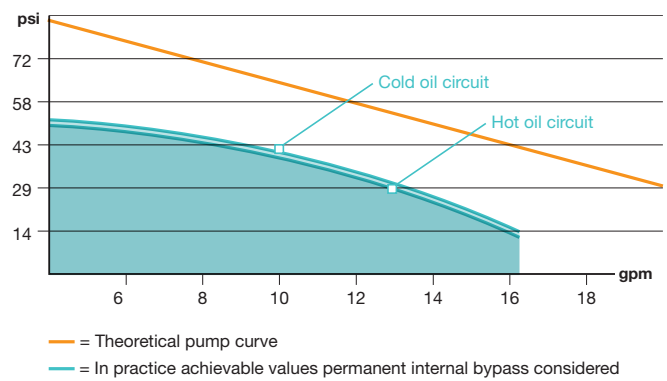
Safety features

- 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	°F	176°F up to 572°F	86°F up to 176°F
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	BTU/hr	81'891 BTU/hr	163'783 BTU/hr
Switchable in stages		8/16	24/24
		Automatic switching of the required heating power	
Cooling capacity			Approx. 93 kW at 194°F – see diagram
Pump capacity			
Motor	HP	2.4 HP	
Pressure mode		Max. 80 psi / max. 26.4 gpm – see diagram	
Expansion tank capacity		25.3 gallons	
Filling amount		26.4 gallons (hot oil circuit 13.2 gallons / cold oil circuit 13.2 gallons)	
Expansion volume		19.8 gallons	
Connections			
Oil circuit		¾" NPT female thread	
Cooling water		¾" NPT female thread	
Compressed air		¼" NPT female thread, min. 58 psi	
Dimensions (L×W×H)	inch	67.3×31.1×60.6, incl. adjustable feet	
Weight	lbs	Approx. 1'191 lbs empty	
Colour		Silvergrey RAL 7001	