

TT-168 PHE

Water temperature control unit

Temperature control system with very high cooling capacity



Water up to 194°F

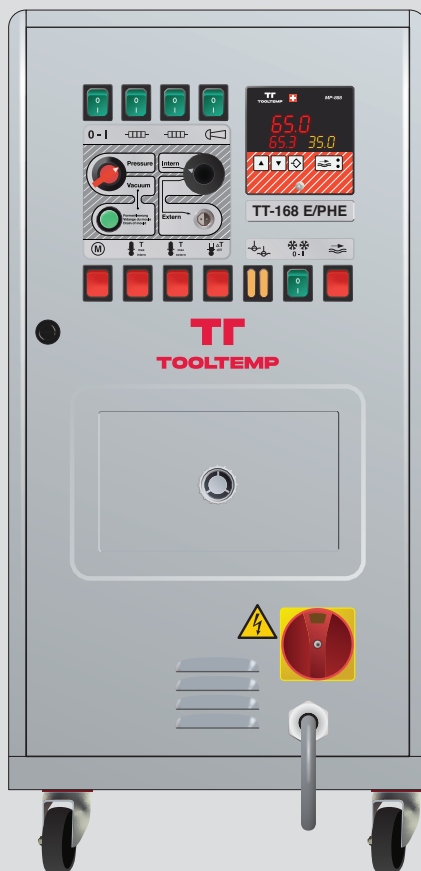
Heating capacity
40'946 BTU/hr
61'419 BTU/hr

Cooling capacity
50 kW @ 194°F indirect
130 kW @ 194°F direct

Cooling system indirect

Applications:

40'946 BTU/hr: moulds up to 2'645 lbs
 61'419 BTU/hr: moulds up to 3'968 lbs



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
- Switchover for temperature control on the mould
- Heating switchable in stages
- Pressure display
- Time limited water refill
- Automatic mould drainage
- Leakstopper device – operation in pressure and vacuum mode possible

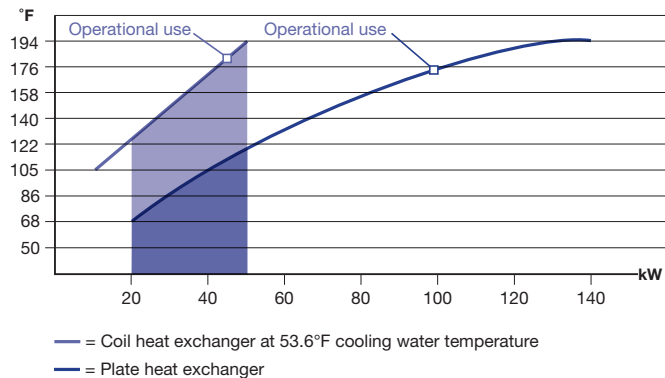
Construction

- Submersible sealless pump made from bronze
- With two cooling systems: coil and plate heat exchangers
- Limescale free heat exchanger
- Corrosion resistant device for a long service life
- All parts in contact with water are made of stainless steel or bronze
- Unit on castors

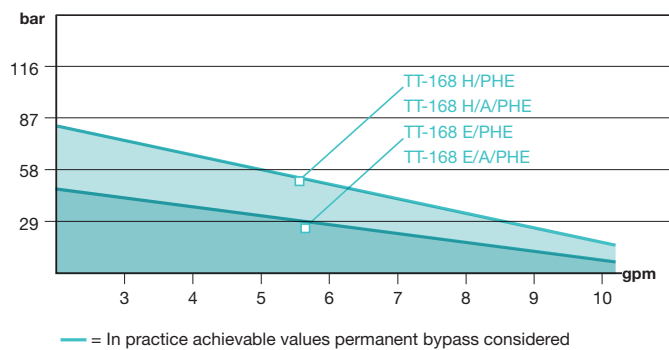
Safety features

- Level control for dry run protection
- 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-168 E/PHE	TT-168 H/PHE	TT-168 E/A/PHE	TT-168 H/A/PHE
Temperature range	°F	68°F up to 194°F with water			
Temperature control		Self-optimizing, electronic microprocessor controller 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	40'946 BTU/hr	40'946 BTU/hr	61'419 BTU/hr	61'419 BTU/hr
Switchable in stages		3/9	3/9	9/9	9/9
Cooling capacity		Increased cooling capacity by switching to the plate heat exchanger Coil heat exchanger: 50 kW at 194°F – see diagram Plate heat exchanger: 130 kW at 194°F - see diagram			
Pump capacity					
Motor	HP	1 HP	2 HP	1 HP	2 HP
Pressure mode		Max. 58 psi Max. 16 gpm	Max. 102 psi Max. 16 gpm	Max. 58 psi Max. 16 gpm	Max. 102 psi Max. 16 gpm
Vacuum mode		Vacuum max. 23.17 inHg			
Filling amount		Min. 4.2 gallons, max. 5.3 gallons			
Connections					
Medium		¾" NPT female thread			
Cooling water					
Inlet		With water filter 1" NPT female thread			
Outlet		1" NPT male thread			
Dimensions (L×W×H)	inch	38.6×14.4×29.5 inch, incl. castors			
Weight	inch	Approx. 198 inch empty			
Colour		Silvergrey RAL 7001			