

TT-138 B/BP

Pressurised water temperature control unit

Powerful device with wide temperature range and high functionality

- with external measurement
- with two-stage cooling system
- with mould drainage



Water up to 320°F

Heating capacity
61'419 BTU/hr
81'891 BTU/hr

Cooling capacity
85 kW @ 320°F indirect
60 kW @ 140°F direct

Cooling system indirect / direct

Applications: moulds, double walled vessels, small rollers



Functions

- Self-optimizing temperature controller with temperature display 1/10°F – steps
- Display in °C or to °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
- Heaters with cascade connection
- Display of system and flow pressure
- Automatic water filling
- Automatic mould drainage with compressed air
- Automatic air venting
- Pressure relief
- Leakstopper device – operation in pressure and vacuum mode possible

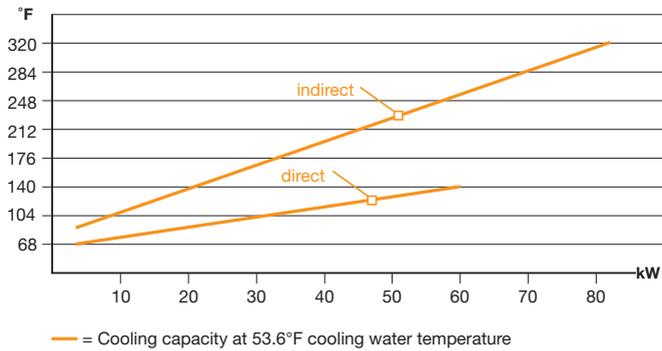
Construction

- Proven pump with mechanical seal or magnetic coupling
- With two cooling systems: indirect and direct cooling
- 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

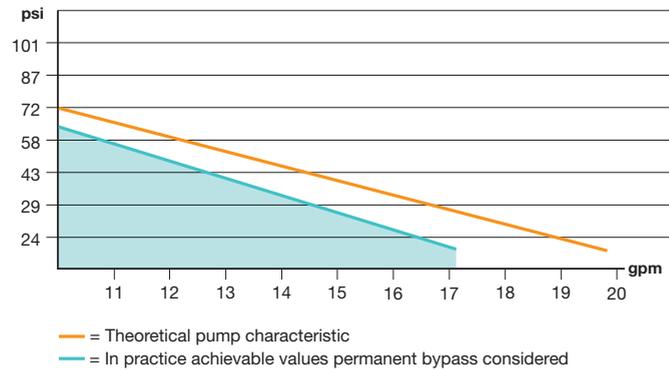
Safety features

- 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-138 B/BP
Temperature range	°F	Up to 320°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	61'419 BTU/hr 81'891 BTU/hr
Switchable in stages		6/12 6/18 Automatic switching of the required heating power
Cooling capacity		
Indirect	kW	Approx. 85 kW at 320°F - see diagram
Direct	kW	Approx. 60 kW at 140°F - see diagram
Pump capacity		
Motor	kW	2.4 HP
Pressure mode		Max. 94 psi / max. 20 gpm - see diagram
Vacuum mode		Vacuum max. 23.17 inHg
Model		Seal less magnetic drive
Pressure increasing pump		Yes
Temperature measurement at the mould		Yes
Pressure relief		Yes
Leakstopper and mould drainage		With compressed air
Filling		Automatic
Connections		
Medium		¾" NPT female thread
Cooling water		
Inlet		With water filter 1" NPT female thread
Outlet		1" NPT male thread
Compressed air		¼" NPT female thread
Dimensions (L×W×H)	inch	48.8×18.9×55.1 inch, incl. castors
Weight	lbs	Approx. 397 lbs empty
Colour		Silvergrey RAL 7001