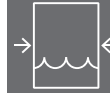


TT-138 B/BP

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 160°C

Heating capacity **24 kW**

Cooling capacity
85 kW @ 160°C indirect
60 kW @ 60°C direct

Cooling system indirect / direct

Applications: moulds, double walled vessels, small rollers



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C to 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
- 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

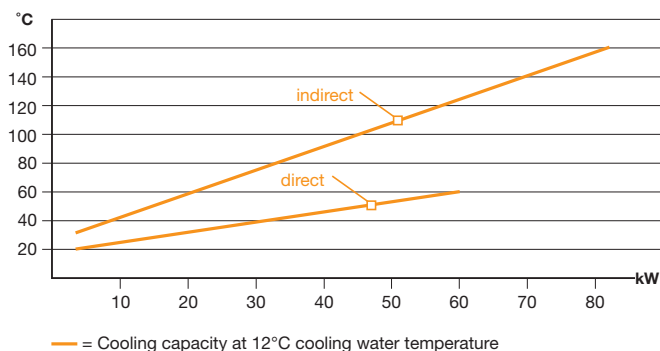
Construction

- 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

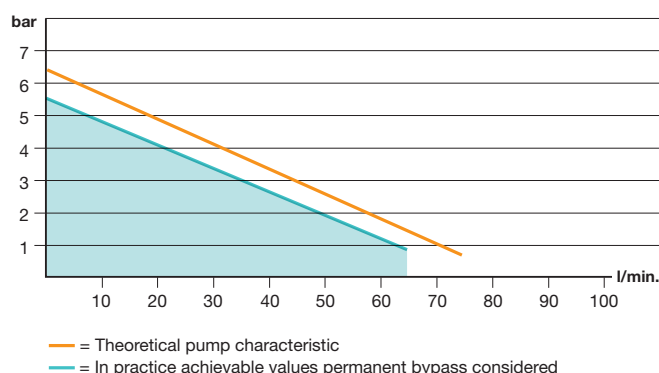
Safety features

- 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	TT-138 B/BP
Temperature range	Up to 160°C 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	24 kW
Switchable in stages	6/18 Automatic switching of the required heating power
Cooling capacity	
Indirect	Approx. 85 kW at 160°C - see diagram
Direct	Approx. 60 kW at 60°C - see diagram
Pump capacity	
Motor	1,8 kW
Pressure mode	Max. 6,5 bar / max. 75 l/min. - see diagram
Vacuum mode	Vacuum max. 8 mH ₂ O
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" BSP female thread
Cooling water	
Inlet	With water filter 1" BSP female thread
Outlet	1" BSP male thread
Compressed air	¼" BSP female thread
Dimensions (L×W×H)	1'240×480×1'400 mm, incl. castors
Empty Weight	Approx. 180 kg empty
Colour	Silvergry RAL 7001