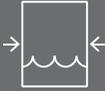


# TT-138 N

## Pressurised water temperature control unit

Powerful device with high functionality

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



Water up to 140°C
Heating capacity <b>18 kW   24 kW</b>
Cooling capacity <b>70 kW @ 140°C indirect</b> <b>60 kW @ 60°C direct</b>
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

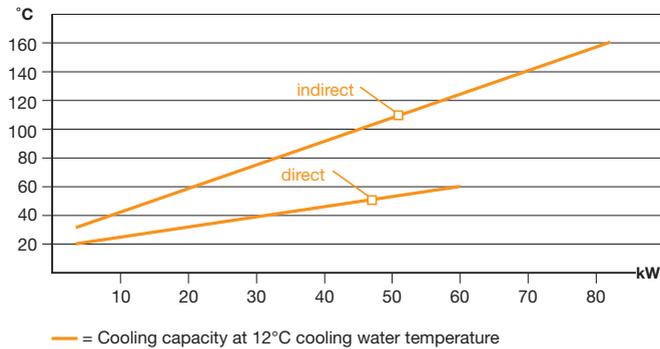
## Construction

- 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

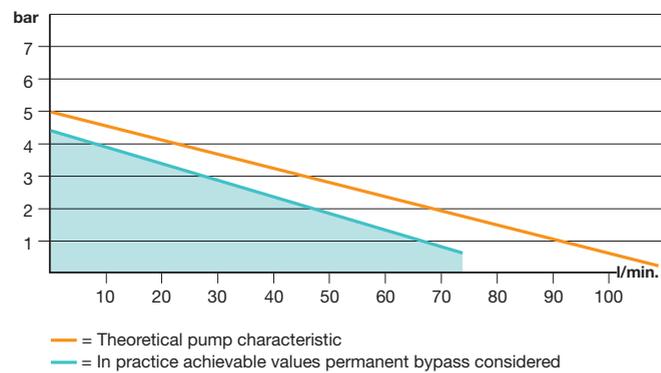
## Safety features

- 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	Unit	TT-138 N
Temperature range	°C	Up to 140°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	kW	<b>18 kW</b> <b>24 kW</b>
Switchable in stages		6/12 6/18 Automatic switching of the required heating power
Cooling capacity		
Indirect	kW	Aapprox. <b>70 kW</b> at 140°C - see diagram
Direct	kW	Approx. <b>60 kW</b> at 60°C - see diagram
Pump capacity		
Motor	kW	1,8 kW
Pressure mode		Max. 5 bar / max. 110 l/min. - see diagram
Vacuum mode		Vacuum max. 8 mH <sub>2</sub> O
Model		Axial face seal
Pressure increasing pump		No
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)	mm	1'240×480×1'400 mm, incl. castors
Weight	kg	Approx. 180 kg empty
Colour		Silvergrey RAL 7001