

# TT-118 K

## Water temperature control unit

Device with two-stage cooling system and large return volume



Water from 25°C up to 90°C

Heating capacity  
**18 kW | 27 kW | 36 kW | 45 kW**

Cooling capacity  
**200 kW @ 90°C tubular heat exchanger**  
**400 kW @ 90°C plate heat exchanger**

Cooling system indirect

Applications: rollers, plates, double-walled vessels, large consumers



## Functions

- Self-optimizing temperature controller with temperature display 1/10°C – 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
- Heater with cascade connection (only 27 kW / 36 kW / 45 kW)
- Pressure display
- Time limited water refill
- Leakstopper device – operation in pressure and vacuum mode possible

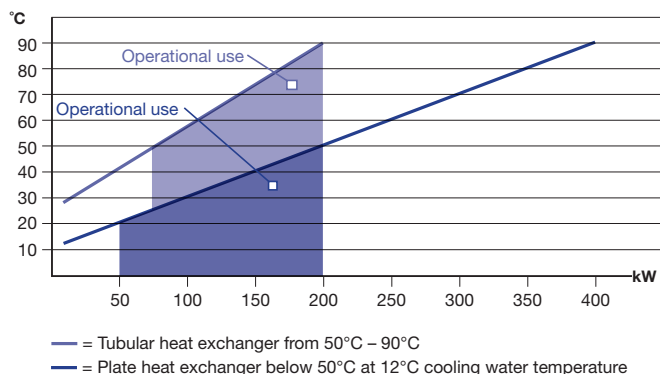
## Construction

- Submersible sealless pump made from bronze
- With two cooling systems: tubular 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

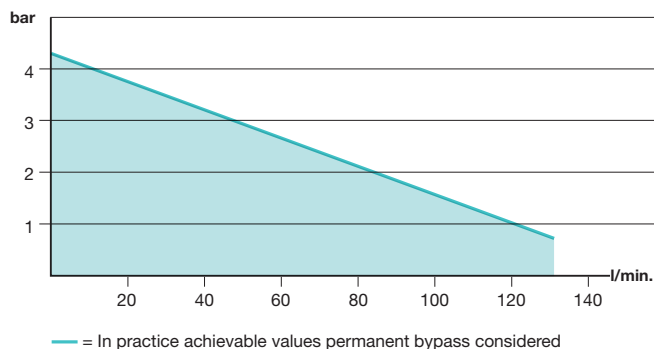
## Safety features

- 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-118 K			
Temperature range	°C	25°C up to 90°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>27 kW</b>	<b>36 kW</b>	<b>45 kW</b>
Switchable in stages		9/9	9/9/9	9/9/9/9	9/9/9/18
Autom. switch off		No	Yes	Yes	Yes
Cooling capacity	°C	Increased cooling capacity by switching to the plate heat exchanger Tubular heat exchanger: <b>200 kW</b> at 90°C – see diagram Plate heat exchanger: <b>400 kW</b> at 90°C – see diagram			
Pump capacity					
Motor	kW	2,2 kW			
Pressure mode		Max. 4,3 bar / max. 200 l/min. – see diagram			
Vacuum mode		Vacuum max. 8 mH <sub>2</sub> O			
Filling amount		Min. 26 litres, max. 40 litres			
Connections					
Medium		1" BSP male thread			
Cooling water					
Inlet		With water filter 1" BSP female thread			
Outlet		1" BSP male thread			
Dimensions (LxWxH)	mm	1'240x480x1'400 mm, incl. castors			
Weight	kg	Approx. 180 kg empty			
Colour		Silvergrey RAL 7001			