

# 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 I/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

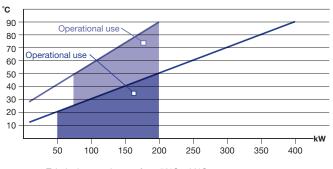
- Submersible sealless pump made from bronze
- With two cooling systems: tubular and plate heat exchangers
- Limescale free heat exchanger
- Corrosion resistant device for a long service life
- · All parts in contact with water are made of stainless steel or bronze
- Unit on castors

#### 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**

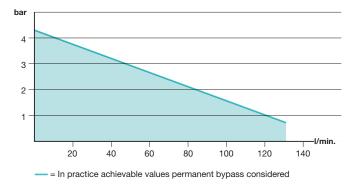


----- = Tubular heat exchanger from 50°C - 90°C

**Technical data** 

---- = Plate heat exchanger below 50°C at 12°C cooling water temperature

## **Pump capacity**



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	18 kW	27 kW	36 kW	45 kW	
Switchable in stages		9/9	9/9/9	9/9/9/9	9/9/9/18	
		Automatic switching of the required heating power				
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 (L×W×H)	mm	1'240x480x1'400 mm, incl. castors				
Weight	kg	Approx. 180 kg empty				
Colour		Silvergrey RAL 7001				

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