

TT-118 K

Water temperature control unit

Device with two-stage cooling system and large return volume



Water from 77°F up to 194°F

Heating capacity

61'419 BTU/hr

92'128 BTU/hr

122'837 BTU/hr

153'546 BTU/hr

Cooling capacity

200 kW @ 194°F tubular heat exchanger

400 kW @ 194°F plate heat exchanger

Cooling system indirect

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



Functions

- Self-optimizing temperature controller with temperature display 1/10°F – 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 mold
- Heating switchable in stages
- Heater with cascade connection (only 92'128 BTU/hr / 122'837 BTU/hr / 153'546 BTU/hr)
- Pressure display
- Time limited water refill
- Leakstopper device – operation in pressure and vacuum mode possible

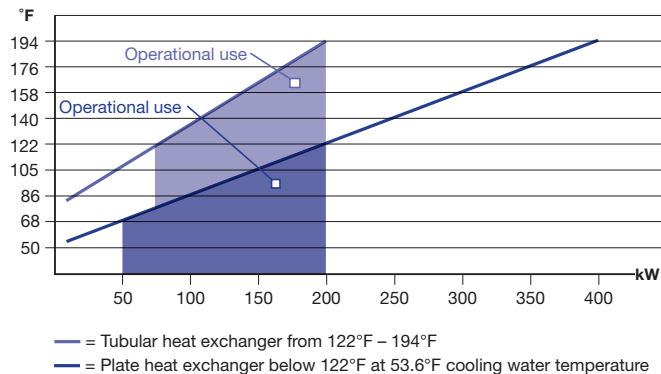
Construction

- 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

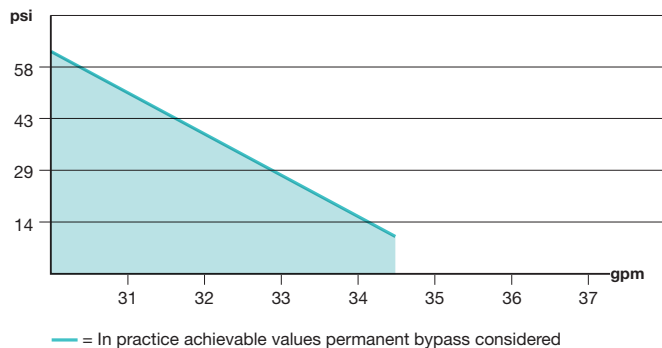
Safety features

- 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	°F	77°F up to 194°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	92'128 BTU/hr	122'837 BTU/hr	153'546 BTU/hr
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	°F	Increased cooling capacity by switching to the plate heat exchanger Tubular heat exchanger: 200 kW at 194°F – see diagram Plate heat exchanger: 400 kW at 194°F – see diagram			
Pump capacity					
Motor	HP	3 HP			
Pressure mode		Max. 62 psi / max. 53 gpm – see diagram			
Vacuum mode		Vacuum max. 23.17 inHg			
Filling amount		Min. 6.8 gallons, max. 10.6 gallons			
Connections					
Medium		1" NPT male thread			
Cooling water					
Inlet		With water filter 1" NPT female thread			
Outlet		1" NPT male 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			