TT-1500 W

Water temperature control unit

Powerful direct cooled device
- high flow volume
- unlimited back flow volume

Water from 68°F up to 194°F	
Heating capacity **163'783 BTU/hr**	
Cooling capacity **285 kW** @ 176°F	
Cooling system direct	
Applications: rollers, plates, double walled vessels, large consumers	

Functions

- Self-optimizing temperature controller with temperature display 1/10°F – steps
- Display in °C to or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature control
- Heating switchable in stages
- Heaters with cascade connection
- Pressure display
- Automatic water filling
- Automatic mould drainage with compressed air
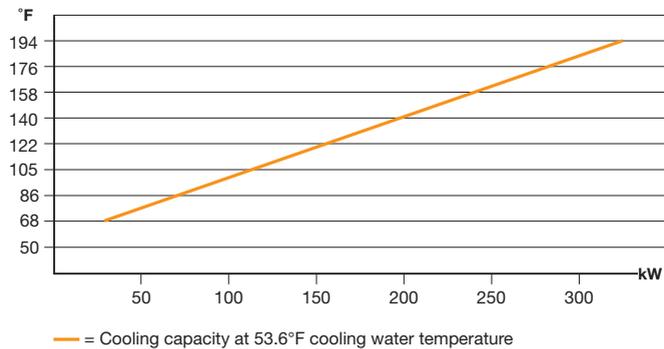- Automatic air venting

Construction

- High performance centrifugal pump
- Powerful direct cooling
- All parts in contact with water are made of stainless steel or bronze
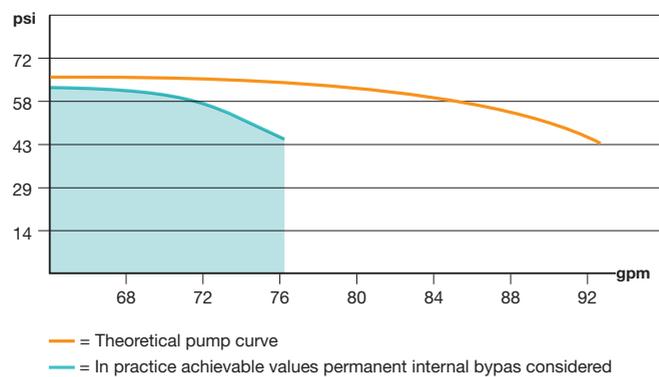- Unit on adjustable feet

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

— = Cooling capacity at 53.6°F cooling water temperature

Pump capacity

— = Theoretical pump curve
— = In practice achievable values permanent internal bypas considered

Technical data

Product attribute	Unit	TT-1500 W
Temperature range	°F	68°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	163'783 BTU/hr
Switchable in stages		8/8/8/8/8/8
		Automatic switching of the required heating power
Cooling capacity	kW	285 kW at 176°F – see diagram
Pump capacity		
Motor	HP	5.4 HP
Pressure mode		Max. 65 psi / max. 93 gpm – see diagram
Filling amount		19.8 gallons
Filling		Automatic
Mould drainage		With compressed air
Connections		
Medium		Flange DN32 / PN16
Cooling water		
Inlet		With water filter ⅜″ NPT female thread
Outlet		1″ NPT male thread
Compressed air		¼″ NPT female thread
Dimensions (L×W×H)	inch	63×31.5×61 inch, incl. feet
Weight	lbs	Approx. 948 lbs empty
Colour		Silvergrey RAL 7001