TT-181

Universal temperature control unit

Flexible small device
- with mould drainage
- with leakstopper

	Water	Oil
	Up to 194°F	Up to 302°F
	Heating capacity **30'709 BTU/hr**	**10'236 BTU/hr**
	Cooling capacity **35 kW** @ 194°F	
	Cooling system indirect	
	Application: moulds up to 121 lbs	

Functions

- Self optimizing temperature controller with temperature display 1/10°F – steps
- Display in °C or °F and l/min or gal/min
- Automatic temperature control
- Heating switchable in stages
- Pressure display
- Automatic or manual refill
- Automatic mould drainage
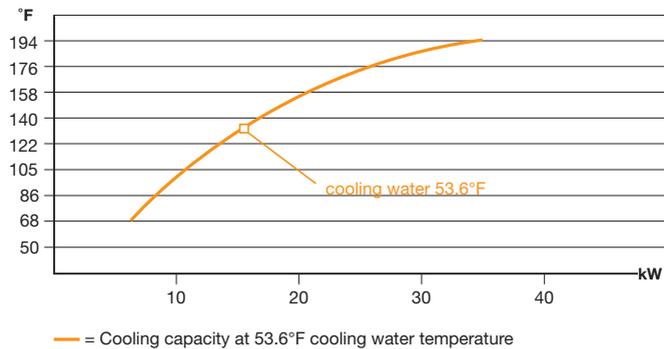- Leak stopper device – operation in pressure and vacuum mode possible

Construction

- Submersible sealless pump made from bronze
- 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
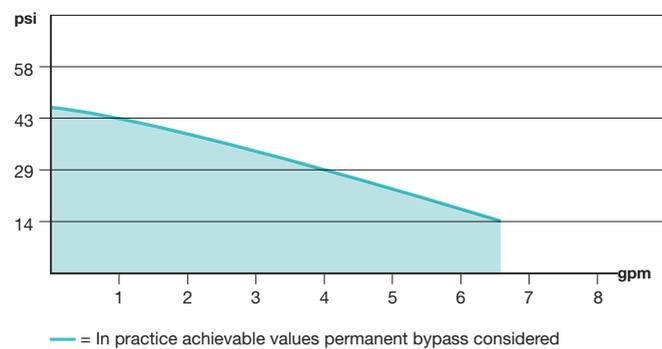- Unit on castors

Safety features

- Level control for dry run protection
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic failure indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity

= Cooling capacity at 53.6°F cooling water temperature

Pump capacity

= In practice achievable values permanent bypass considered

Technical data

Product attribute	Unit	TT-181	
Medium		Water	Oil
Temperature range	°F	Up to 194°F	Up to 302°F
Temperature control		Self optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.	
Heating capacity	BTU/hr	**30'709 BTU/hr**	**10'236 BTU/hr**
switchable in stages		3/6	None
Cooling capacity		**35 kW** at 194°F - see diagram	
Pump capacity			
Motor	HP	1 HP	
Pressure mode		Max. 58 psi / max. 16 gpm - see diagram	
Vacuum mode		Vacuum max. 23.17 inHg	
Filling amount		Min. 1.3 gallons, max. 1.8 gallons	
Connections			
Medium		½″ NPT female thread	
Cooling water			
Inlet		With water filter ⅜″ NPT female thread	
Outlet		⅜″ NPT male thread	
Dimensions (L×W×H)	inch	26.4×10.2×25.6 inch, incl. castors	
Weight	lbs	Approx. 121 lbs empty	
Colour		Silvergrey RAL 7001	