TT-168 E
TT-168 H

Universal temperature control unit

Control system with high functionality
- with external measurement
- with mould drainage
- with flow control

	Water	Oil
	Up to 90°C	Up to 150°C
	Heating capacity **12 kW**	**6 kW**
	Cooling capacity **45 kW** @ 90°C	
	Cooling system indirect	
	Application: moulds up to 1‘200 kg	



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C to °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
- Pressure display
- Automatic or manual refill
- Time limited water refill
- Automatic mould drainage
- Leakstopper device – operation in pressure and vacuum mode possilble

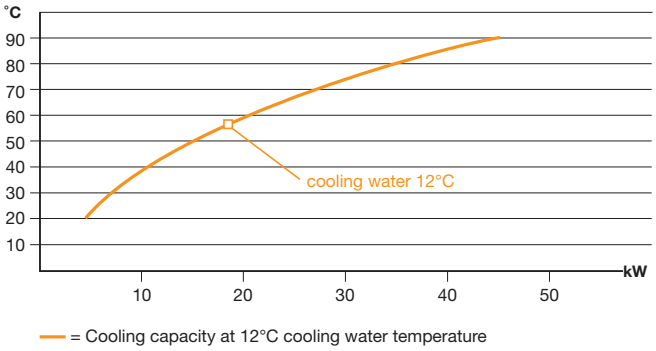
Construction

- 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

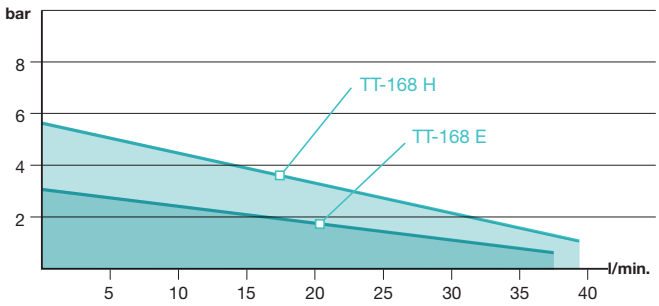
- Level control for dry run protection
- Electronic temperature limitation and monitoring in the controller
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity



= Cooling capacity at 12°C cooling water temperature

Pump capacity



= In practice achievable values permanent bypass considered

Technical data

Product attribute	Unit	TT-168 E	TT-168 H
Temperature range max.			
Water	°C	Up to 90°C	Up to 90°C
Oil	°C	Up to 150°C	Up to 150°C
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 water	kW	**12 kW**	**12 kW**
Switchable in stages		3/9	3/9
Heating capacity oil	kW	**6 kW**	**6 kW**
Switchable in stages		3/3	3/3
Cooling capacity		**45 kW** at 90°C - see diagram	
Pump capacity			
Motor	kW	0,75 kW	1,5 kW
Pressure mode		Max. 4,0 bar Max. 60 l/min	Max. 7,0 bar Max. 60 l/min
Vacuum mode		Vacuum max. 8 mH_2O	
Filling amount		Min. 16 litres, max. 20 litres	
Connections			
Medium		½″ BSP female thread	
Cooling water			
Inlet		With water filter ⅜″ BSP female thread	
Outlet		⅜″ BSP male thread	
Dimensions (L×W×H)	mm	710×325×785 mm, incl. castors and handles	
Weight	kg	Approx. 67 kg empty	
Colour		Silvergrey RAL 7001	