

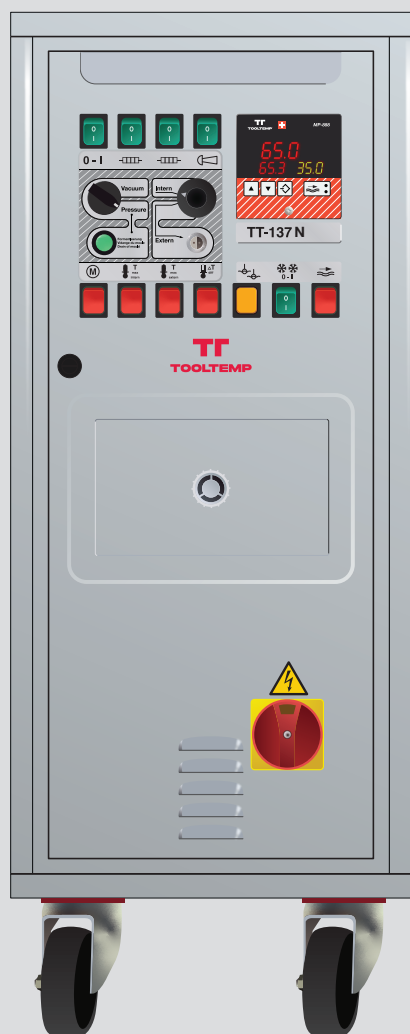
TT-137 N

Pressurised water temperature control unit

Device with high functionality

- with external measurement
- with two-stage cooling system
- with mould drainage

	Water up to 284°F
	Heating capacity 40'946 BTU/hr
	Cooling capacity 65 kW @ 284°F indirect 60 kW @ 122°F direct
	Cooling system indirect / direct
	Application: tool moulds



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 mould
- Heating switchable in stages
- Display of system and flow pressure
- Automatic water refill
- Automatic mould drainage with compressed air
- Automatic air venting
- Pressure relief
- Leak stopper device – operation in pressure and vacuum mode

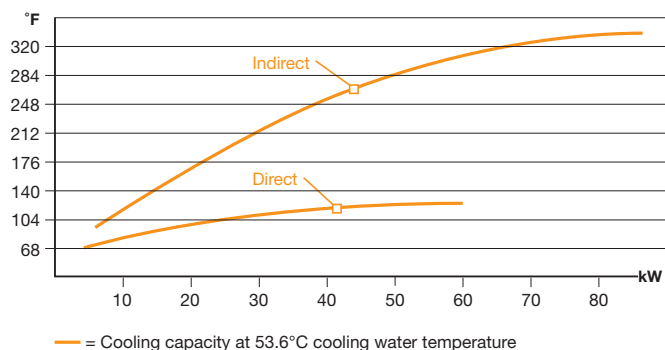
Construction

- Proven pump with mechanical seal or magnetic coupling
- With two cooling systems: indirect and direct cooling
- Limescale free heat exchanger
- Corrosion resistant device for a long service life
- All parts in contact with water are made of stainless steel, bronze, brass and copper
- Unit on castors

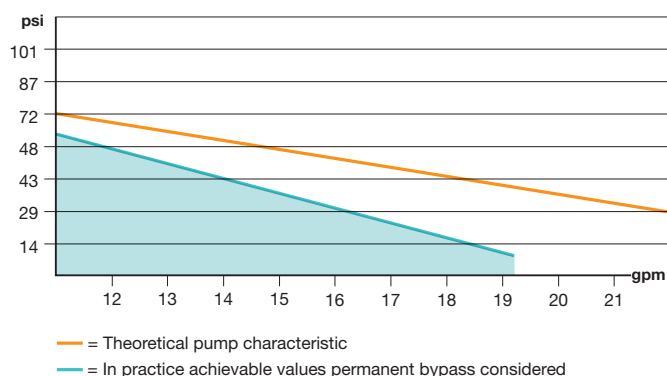
Safety features

- 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-137 N
Temperature range	°F	Up to 284°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	40'946 BTU/hr
Switchable in stages		6/6
Cooling capacity		
Indirect		Approx. 65 kW at 284°F – see diagram
Direct		Approx. 60 kW at 122°F – see diagram
Pump capacity		
Motor	HP	2.4 HP
Pressure mode		Max. 73 psi / max. 29 psi – see diagram
Vacuum mode		Vacuum max. 23.17 inHg
Modell		Axial face seal
Pressure increasing pump		No
Temperature measurement at the mould		Yes
Pressure relief		Yes
Leakstopper and mould drainage		With compressed air
Filling		Automatic
Connections		
Medium		¾" NPT female thread
Cooling water		
Inlet		With water filter ¾" NPT female thread
Outlet		¾" NPT male thread
Compressed air		¼" NPT female thread
Dimensions (L×W×H)	inch	34.3×14.2×36 inch, incl. castors
Weight	lbs	Approx. 256 lbs empty
Colour		Silvergrey RAL 7001