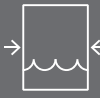


# TT-137 N

## Pressurised water temperature control unit

Device with high functionality

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

	Water up to 140 °C
	Heating capacity <b>12 kW</b>
	Cooling capacity <b>60 kW @ 140°C indirect</b> <b>60 kW @ 60°C direct</b>
	Cooling system indirect / direct
	Application: tool moulds



## Functions

- Self optimizing temperature controller with temperature display 1/10 °C – 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

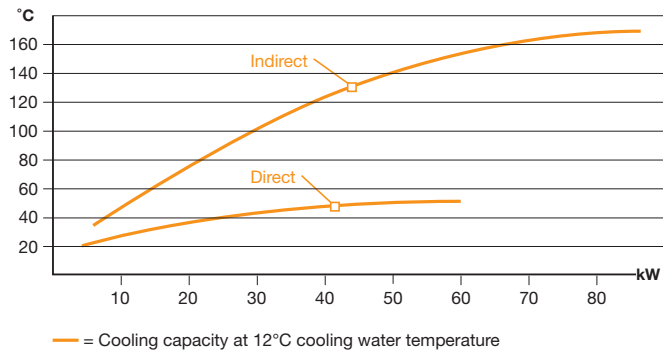
## Construction

- 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

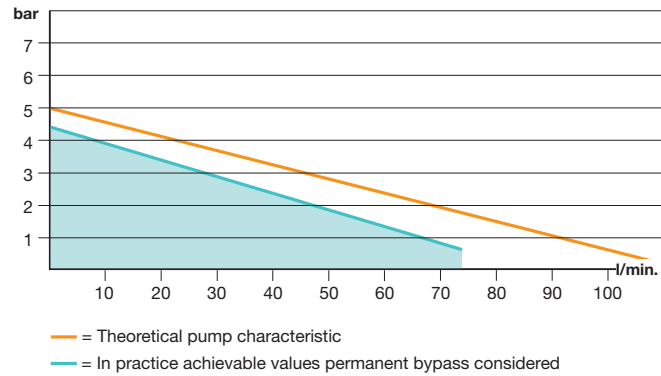
## Safety features

- 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	°C	Up to 140°C 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	kW	<b>12 kW</b>
Switchable in stages		6/6
Cooling capacity		
Indirect		Approx. <b>90 kW</b> at 140°C – see diagram
Direct		Approx. <b>60 kW</b> at 50°C – see diagram
Pump capacity		
Motor	kW	1,8 kW
Pressure mode		Max. 5 bar / max. 110 l/min. – see diagram
Vacuum mode		Vacuum max. 8 mH <sub>2</sub> O
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" BSP female thread
Cooling water		
Inlet		With water filter ¾" BSP female thread
Outlet		¾" BSP male thread
Compressed air		¼" BSP female thread
Dimensions (LxWxH)	mm	870x360x915 mm, incl. castors
Weight	kg	Approx. 120 kg empty
Colour		Silvergry RAL 7001