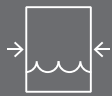


TT-138 N

Pressurised water temperature control unit

Powerful device with high functionality

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

| | |
|---|---|
|  | Water up to 140°C |
| | Heating capacity 24 kW |
| | Cooling capacity 70 kW @ 140°C indirect 60 kW @ 60°C direct |
| | Cooling system indirect / direct |
| Applications: moulds, double-walled vessels, small rollers | |



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C to 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
- Heaters with cascade connection
- Display of system and flow pressure
- Automatic water filling
- Automatic mould drainage with compressed air
- Automatic air venting
- Pressure relief
- Leakstopper device – operation in pressure and vacuum mode possible

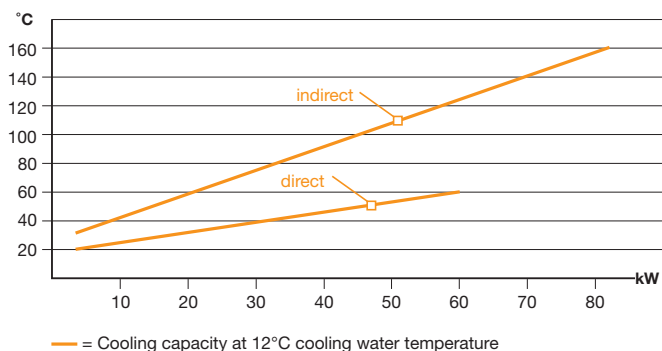
Construction

- 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 or bronze
- Unit on castors

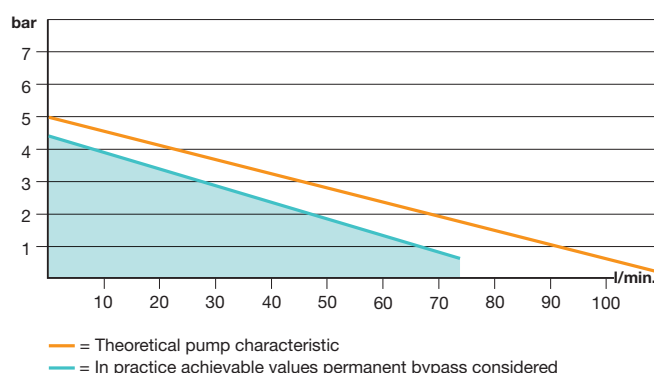
Safety features

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

Cooling capacity



Pump capacity



Technical data

| Product attribute | Unit | TT-138 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 | 24 kW |
| Switchable in stages | | 6/18 Automatic switching of the required heating power |
| Cooling capacity | | |
| Indirect | kW | Approx. 70 kW at 140°C - see diagram |
| Direct | kW | Approx. 60 kW at 60°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 ₂ O |
| Model | | 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 1" BSP female thread |
| Outlet | | 1" BSP male thread |
| Compressed air | | ¼" BSP female thread |
| Dimensions (L×W×H) | mm | 1'240×480×1'400 mm, incl. castors |
| Weight | kg | Approx. 180 kg empty |
| Colour | | Silvergry RAL 7001 |