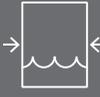


# TT-138 N

## Pressurised water temperature control unit

Powerful device with high functionality

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

|   |  |
|---|--|
|  | Water up to 284°F  |
|   | Heating capacity<br><b>61'419 BTU/hr</b><br><b>81'891 BTU/hr</b>                 |
|   | Cooling capacity<br><b>70 kW @ 284°F indirect</b><br><b>60 kW @ 140°F direct</b> |
|   | Cooling system indirect / direct   |
| Applications: moulds, double-walled vessels, small rollers                        |  |



## Functions

- Self-optimizing temperature controller with temperature display 1/10°F – steps
- Display in °C or 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
- 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

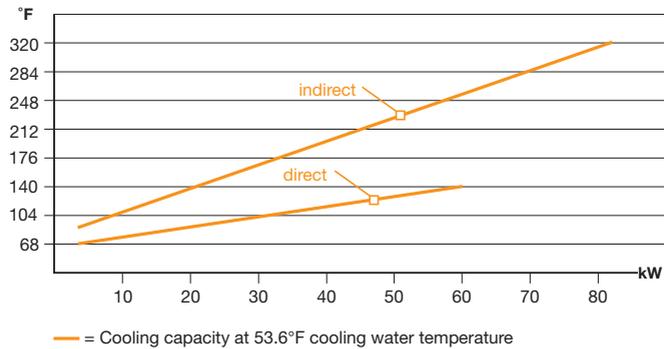
## Construction

- 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

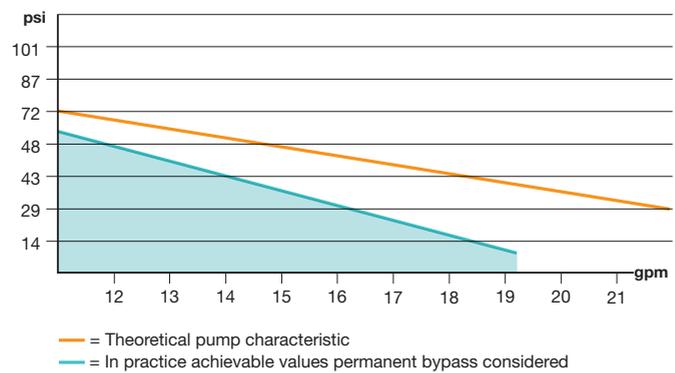
## Safety features

- 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                    | °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 | <b>61'419 BTU/hr</b> <b>81'891 BTU/hr</b>  |
| Switchable in stages                 |        | 6/12      6/18<br>Automatic switching of the required heating power  |
| Cooling capacity                     |        |  |
| Indirect                             | kW     | Approx. <b>70 kW</b> at 284°F - see diagram  |
| Direct                               | kW     | Approx. <b>60 kW</b> at 140°F - see diagram  |
| Pump capacity                        |        |  |
| Motor                                | HP     | 2.4 HP   |
| Pressure mode                        |        | Max. 73 psi / max. 29 gpm - see diagram  |
| Vacuum mode                          |        | Vacuum max. 23.17 inHg   |
| 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" NPT female thread   |
| Cooling water                        |        |  |
| Inlet                                |        | With water filter 1" NPT female thread   |
| Outlet                               |        | 1" NPT male thread   |
| Compressed air                       |        | ¼" NPT female thread   |
| Dimensions (L×W×H)                   | inch   | 48.8×18.9×55.1 inch, incl. castors   |
| Weight                               | lbs    | Approx. 397 lbs empty  |
| Colour                               |        | Silvergrey RAL 7001  |