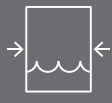
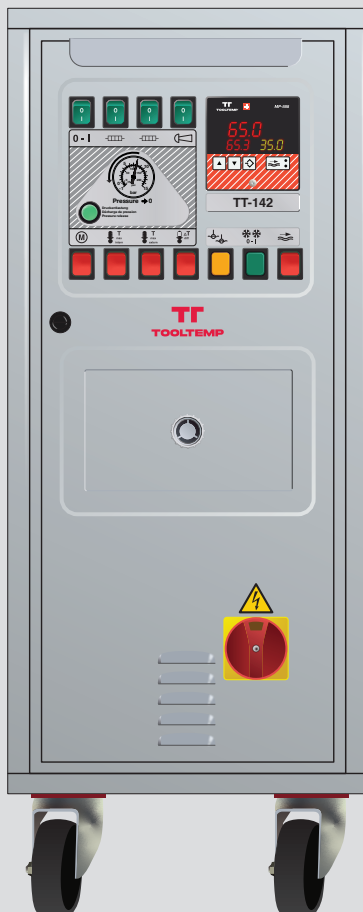


# TT-142 N

## Pressurised water temperature control unit

Temperature control system with flexible application range for injection moulds, small rollers, extruders

|   |                                       |
|---|---------------------------------------|
|  | Water up to 140°C                     |
|   | Heating capacity <b>12 kW</b>         |
|   | Cooling capacity <b>60 kW @ 140°C</b> |
|   | Cooling system indirect               |
|   | Application: injection 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
- Heating switchable in stages
- Display of system and flow pressure
- Automatic water filling
- Automatic air venting
- Pressure relief

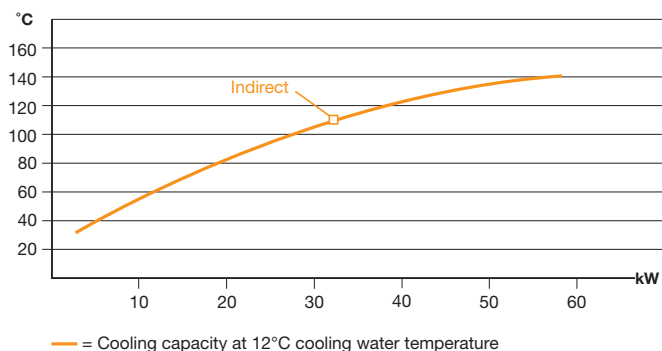
### Construction

- Proven pump with mechanical seal
- Limescale free heat exchanger
- All parts in contact with water are made of stainless steel or bronze
- Unit on castors

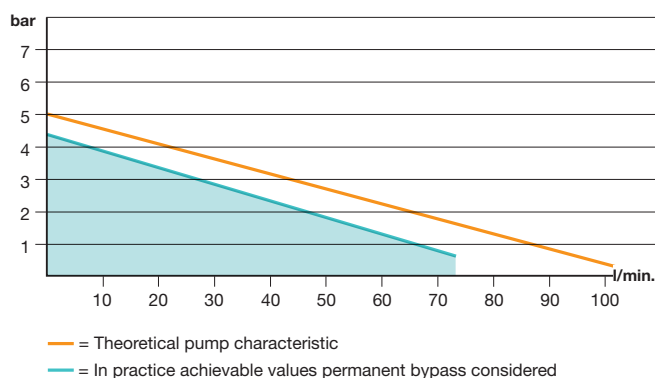
### Safety feature

- 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-142 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>60 kW</b> at 140°C – see diagram  |
| Pump capacity                        |      |  |
| Motor                                | kW   | 1,8 kW   |
| Pressure mode                        |      | Max. 5 bar / max. 110 l/min. – see diagram   |
| Pressure increasing pump             |      | No   |
| Temperature measurement at the mould |      | No   |
| Pressure relief                      |      | Yes  |
| Mould drainage                       |      | No   |
| Leakstopper                          |      | No   |
| Filling                              |      | Automatic  |
| Connections                          |      |  |
| Medium                               |      | ¾" BSP female thread   |
| Cooling water                        |      |  |
| Inlet                                |      | With water filter ¾" female thread   |
| Outlet                               |      | ¾" BSP female thread   |
| Dimensions (L×W×H)                   | mm   | 870x360x915 mm, incl. castors  |
| Weight                               | kg   | Approx. 107 kg empty   |
| Colour                               |      | Silvergry RAL 7001   |