

# CLASSIC Water

## 140 12 N n

### Functions

- Self-optimising temperature controller
- Display in °C or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature monitoring
- Heaters switchable in stages
- Display of system and flow pressure
- Automatic water filling
- Automatic venting
- Pressure relief

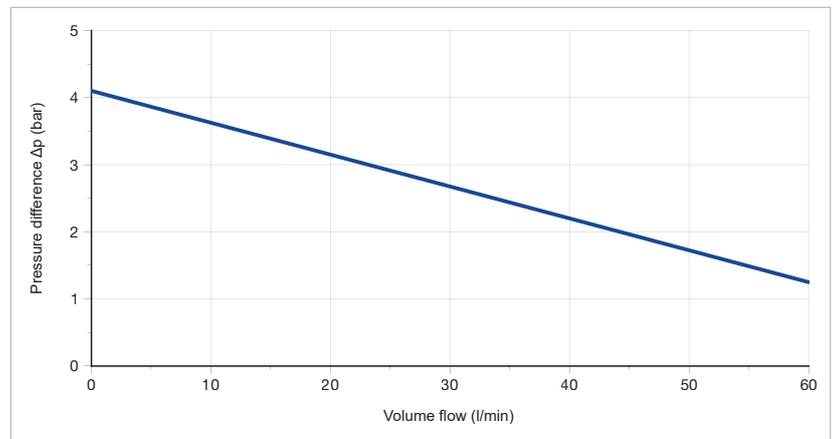
### Construction

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

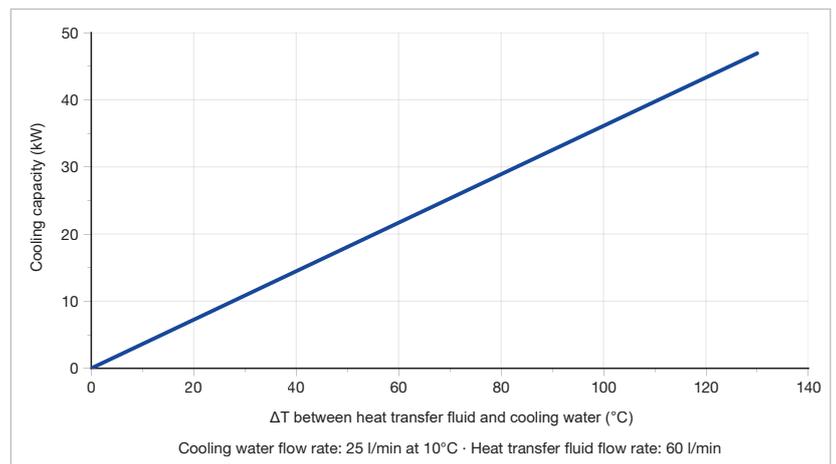
### Safety features

- Level control as dry-running protection
- Electronic temperature limitation and monitoring in the controller
- Visual and acoustic error indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

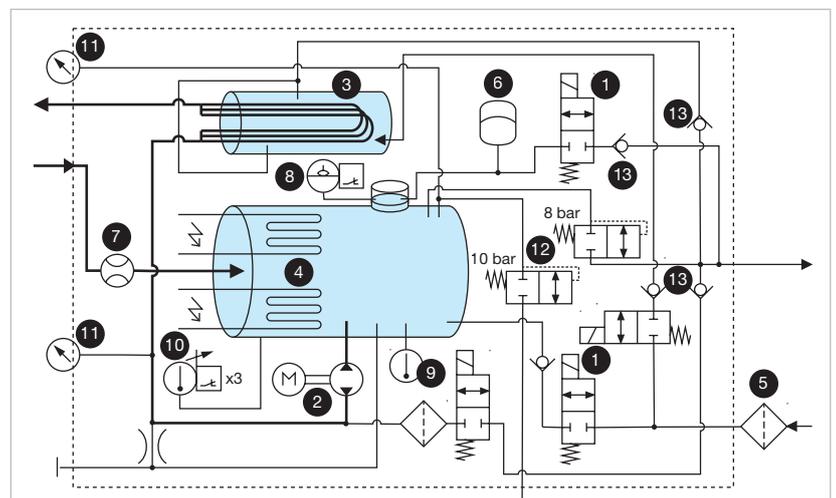
## Pump performance



## Cooling capacity



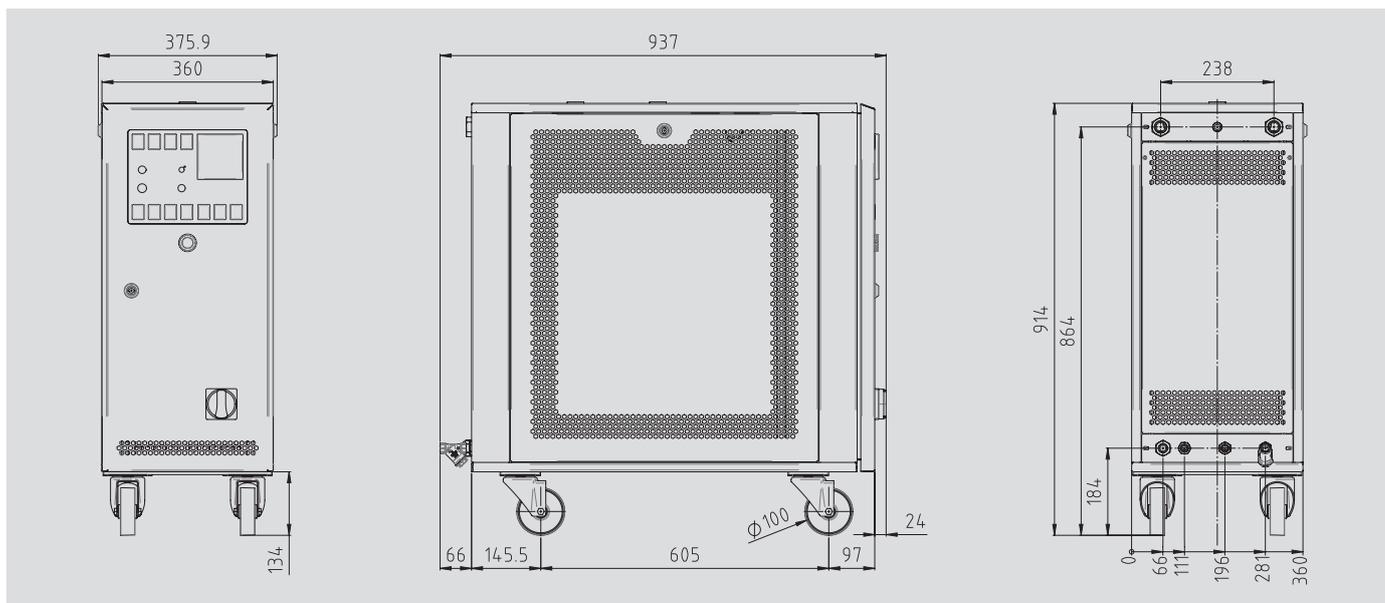
## Fluidic diagram



1 2-way valve (normally closed), 2 pump with reversible pumping direction, 3 shell & tube heat-exchanger, 4 heating element, 5 filter, 6 expansion vessel, 7 flow sensor, 8 level sensor, 9 temperature sensor, 10 thermostat, 11 pressure gauge, 12 pressure-relief valve, 13 check valve



# Technical data



|  |  |
|--|--|
| <b>Maximum temperature</b>                         | <b>140 °C</b>  |
| <b>Heat output</b>                                 | <b>12 kW</b>   |
| <b>Cooling capacity</b>                            | See diagram  |
| <b>Pump</b>  | <b>Type N</b>  |
| Pressure and flow rate                             | See diagram  |
| Motor rated power                                  | 1.5 kW   |
| <b>Control system</b>                              | MP-888   |
| Temperature measurement                            | Temperature sensor FeKo type J   |
| Pump-pressure measurement                          | Pressure gauge   |
| Flow measurement (heat-transfer fluid)             | Impeller wheel sensor with inductive pick-up                                     |
| <b>Connections</b>                                 |  |
| Heat transfer fluid (feed and return)              | ¾" BSPP (G¾) female thread   |
| Cooling water inlet                                | ¾" BSPP (G¾) female thread, with water filter                                    |
| Cooling water outlet                               | ¾" BSPP (G¾) female thread   |
| <b>Empty weight</b>                                | 105 kg   |
| <b>Colour</b>                                      | RAL 7035 light grey  |
| <b>Surroundings</b>                                |  |
| Temperature range                                  | 5-40 °C  |
| Relative humidity                                  | 40-80% RH (non-condensing, no ice formation)                                     |
| <b>Installation</b>                                | Inside, ventilation openings must be at least 10 cm clear                        |
| <b>Continuous sound pressure level</b>             | < 70 dB(A)   |
| <b>Power supply</b>                                | 380-415 V, 50 Hz/440-480 V, 60 Hz/380 V, 60 Hz/200-230 V, 50 Hz/200-240 V, 60 Hz |
| <b>Connected load</b>                              | 13.6 kW  |
| <b>Conductor cross-section of connection cable</b> |  |
| 200-240 V  | 10 mm <sup>2</sup>   |
| 380-480 V  | 6 mm <sup>2</sup>  |
| <b>Protection class device</b>                     | IP44   |
| <b>Labeling</b>                                    | CE   |