

CLASSIC Water

140 12 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 mould draining with compressed air
- Automatic venting
- Pressure relief
- Leak stopper device

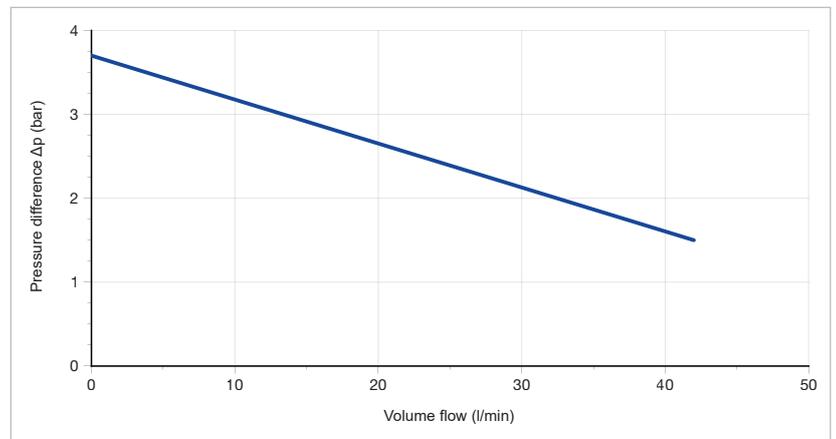
Construction

- Proven pump with mechanical seal
- 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
- Device on castors

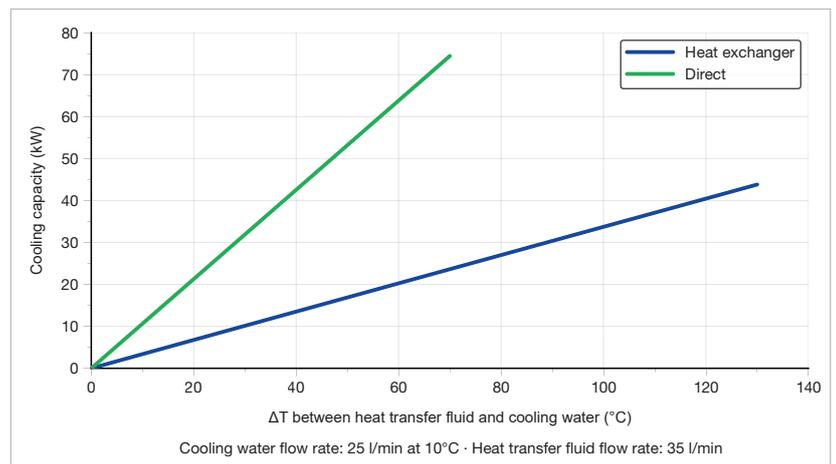
Safety features

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

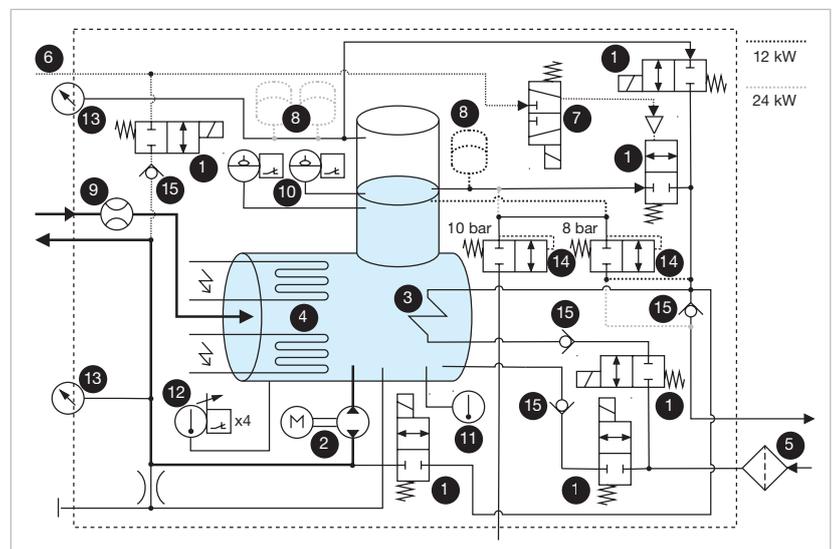
Pump performance



Cooling capacity



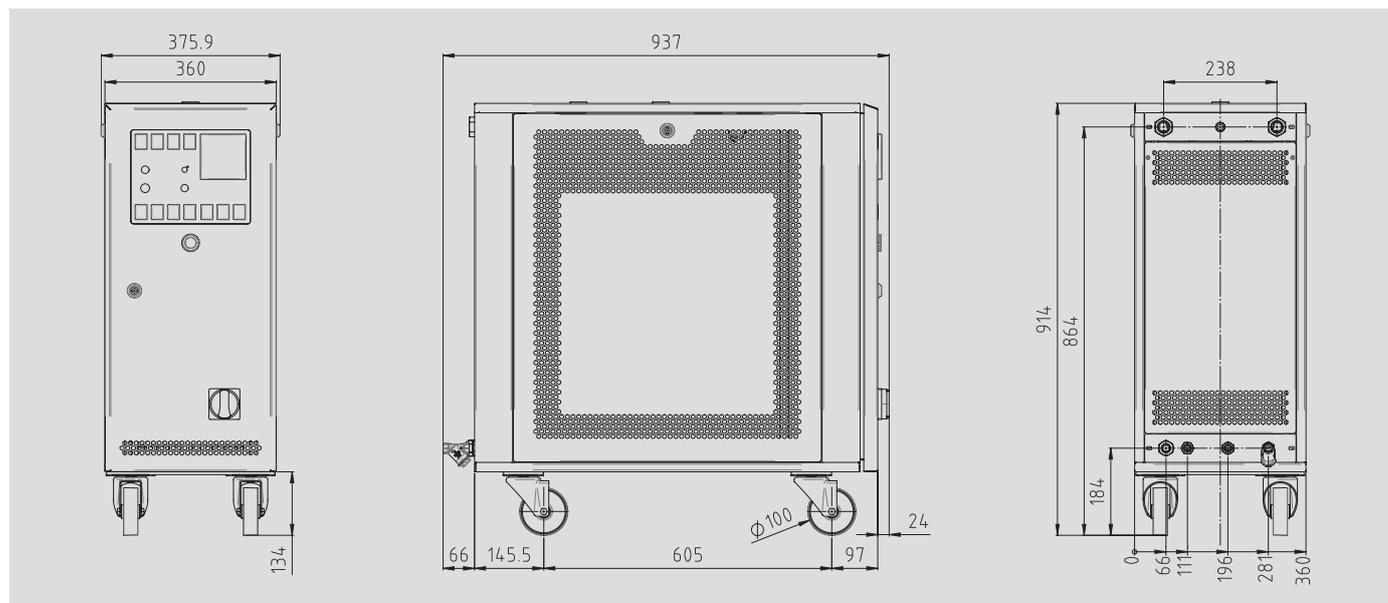
Fluidic diagram



1 2-2 way valve (normally closed), 2 pump with reversible pumping direction, 3 cooling coil, 4 heating element, 5 filter, 6 compressed-air supply, 7 pilot valve for pneumatic 2-2 way valve, 8 expansion vessel, 9 flow sensor, 10 level sensors, 11 temperature sensor, 12 thermostat, 13 pressure gauge, 14 pressure-relief valve, 15 check valve



Technical data



Maximum temperature	140 °C
Heat output	12 kW
Cooling capacity	See diagram
Pump	Type N
Pressure and flow rate	See diagram
Motor rated power	1.5 kW
Control system	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
Connections	
Heat transfer fluid (feed and return)	3/4" BSPP (G3/4) female thread
Cooling water inlet	3/8" BSPP (G3/8) female thread, with water filter
Cooling water outlet	3/8" BSPP (G3/8) female thread
Compressed air	1/4" BSPP (G1/4) female thread
Empty weight	107 kg
Colour	RAL 7035 light grey
Surroundings	
Temperature range	5-40 °C
Relative humidity	40-80% RH (non-condensing, no ice formation)
Installation	Inside, ventilation openings must be at least 10 cm clear
Continuous sound pressure level	< 70 dB(A)
Power supply	380-415 V, 50 Hz/440-480 V, 60 Hz/380 V, 60 Hz/200-230 V, 50 Hz/200-240 V, 60 Hz
Connected load	13.6 kW
Conductor cross-section of connection cable	
200-240 V	10 mm ²
380-480 V	6 mm ²
Protection class device	IP44
Labeling	CE