

UP 10 Comfort pump

The water-conduction part of the pump is hermetically separated from the stator with a stainless steel spherical separator. The motor can be separated from the pump housing, enabling easy maintenance and replacement.

Applications

- Domestic hot-water recirculation systems in single- and two-family houses
- Small heating systems.

Pumped liquids

- Domestic hot water
- Non-potable water
- Softened water.



GrA3803

Fig. 9 Comfort pump



TM04 9805 0111

Fig. 10 Comfort pump

Motor

- Insulation class: F.
- Power consumption: 25 W.
- Voltage: 115 V.
- Phase: 1.

Description	Material
Stator housing	Aluminium
Spherical separator	Stainless steel
Rotor can complete	Stainless steel/tungsten carbide
Rotor, impeller	Stainless steel, EPDM, PPO, PTFE, graphite
Pump housing	Brass MS 58
Isolation valve	PPO
Screw	Stainless steel
Terminal box cover, motor cover	PA66/6
Light	Lexan
Cable, cable relief	PVC
Insulating cover	EPP 55
O-rings	EPDM
Check valve	POM

Ambient and liquid temperatures

Liquid temperature: 36 °F (2 °C) to 203 °F (95 °C).

It is recommended to keep the operating temperature as low as possible (e.g. 140 °F (60 °C)) to avoid calcium precipitation.

The ambient temperature should always be lower than the liquid temperature, as otherwise condensation may form in the stator housing.

Maximum system pressure

145 psi (10 bar).

Inlet pressure

To avoid cavitation noise and damage to the pump bearing at high temperatures, the following minimum pressures are required at the pump suction port.

Liquid temperature	203 °F (95 °C)	185 °F (85 °C)
Inlet pressure	9 ft (2.8 m)	1.6 ft (0.5 m)
	4.0 psi (.3 bar)	0.7 psi (.05 bar)

Features options:

- 24-hour timer (15 minute increments)
- Continuous ON, OFF
- Models with adjustable aquastat 95 °F (35 °C) ↔ 150 °F (65 °C).