

Fresh Water Station
MAC30



Fresh Water Station MAC30

Technical Data

Dimensions	
Width	400 mm
Height	820 mm
Depth	290 mm
Insulation	EPP
Weight	20 kg
Connections	
Fresh water (A)	G1 IT
Hot water (B)	G1 IT
From system tank (C)	G1 ET
To system tank (D)	G1 ET
Circulation (E)	G½ IT
Output	30 l/min
Min. operating temperature	2°C
Max. operating temperature	95°C
Max. operating pressure	
Fresh water	10 bar
Heating	3 bar
Charge Pump	230 V / 50 Hz
Rpm	2200 U/min
Power input	95 W
Nominal current	0,4 A
Circulation pump	
Power input	25 W
Nominal current	0,1 A

The combination of the SONGUT fresh water system tank DIR and the SONGUT fresh water module MAC30 guarantees constant fresh and vital hot water. A patented temperature control manages this without any latency and thermal fluctuation in every required amount.

Advantages:

Required space:

- smallest possible block construction
- no internal piping
- minimal external piping – MAC30 directly attached to the DIR tank

Hygiene:

- heats up fresh, healthy and vital fresh water in required amount
- continuous-flow heating with patented temperature control prevents the formation of legionella

Comfort:

- plug-in idelivery
- easy installation on DIR tank
- maintenance-free
- constant hot water temperatures
- self-deaeration
- no wear parts
- possibility of wall mounting
- impressive and clean design with covered pipe connections

Technology:

- MAC30 for 1-3 families
- heat insulated model
- separable flat sealing system connections
- push-in circulation unit connection
- high output due to the use of large heat exchangers
- fast reaction time without over- and undershooting
- no water and energy losses because no temperature relief valve on hot water side needed
- no drain is needed, reduced installation costs
- hot water temperature pre-adjustment and fixation in the simplest possible way
- prevention of thermal furring

Function:

The MAC30 follows the continuous-flow heating principle and guarantees fresh hot water combined with very low standby losses. The charge pump conveys the heating circuit water through the two-pass heat exchanger. To reach the set hot water temperature, the patented temperature control unit adjusts the temperature of the heating circuit water at the inflow of the heat exchanger. Before flowing into the heat exchanger, the temperature of the heating circuit water is lowered under the furring level.

- 1 Check valve
- 2 Temperature selector
- 3 Heat exchanger
- 4 Charge pump
- 5 Push-in-connection for circulation unit (incl. blind cap)
- 6 Optional circulation unit with pump and electronic return thermostat (suitable for timer or impulse mode)

