



HIGH-EFFICIENCY REGULATED PUMPS FOR DOMESTIC HOT WATER

ECO-ETHERMA EM

DESCRIPTION

The high-efficiency, continuously, manually adjustable pump for domestic hot water, freely flowing ball axis permanent magnet motor and ECM technology.

APPLICATIONS

Domestic hot water circulating systems. ECO-ETHERMA EM pumps comply with the requirements for use in domestic hot water circulating systems and form a systemic protection against legionella.

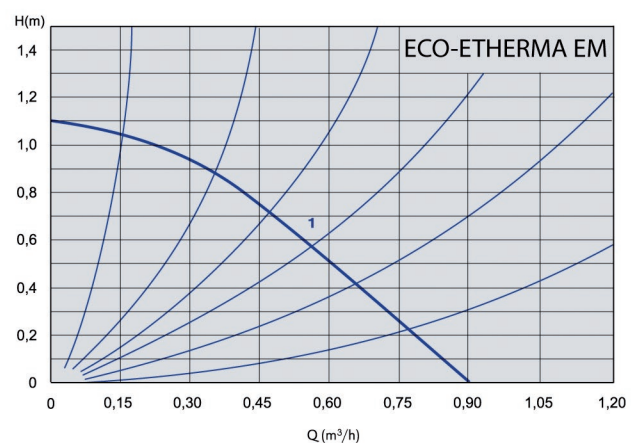
OPERATION

The pump automatically adjust the pressure, according to system resistance. The timer installation is possible for selecting the starting time of the operation and adjusting the thermostat.

PRODUCT DETAILS

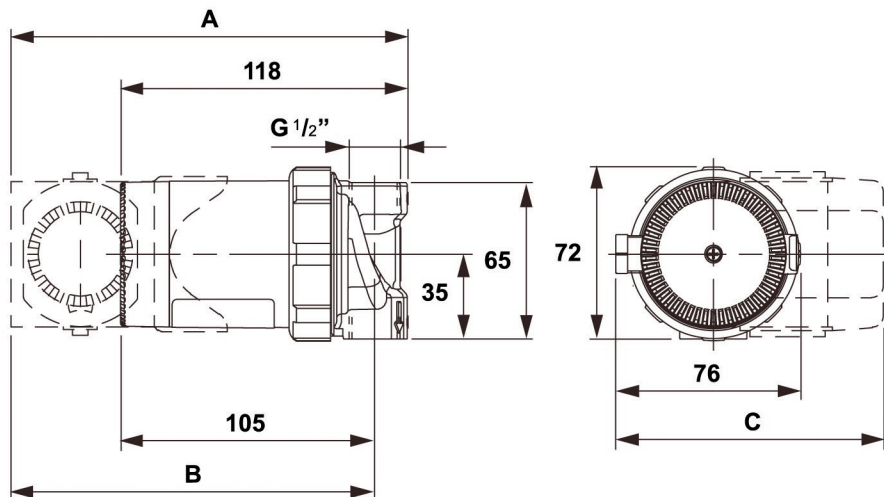
- The high efficiency of the ECM technology
- Energy savings
- 2 possible performances
 - EM version with bronze housing
 - EM-U version with bronze housing and timer
- Easy handling and installation
- Robust and compact construction for long life
- Specially adapted to the independence of lime scale
- Easy to use and small

Pump component	Material
Housing	Bronze
Ceramic bearings	Ceramics
Rotor impeler	polyamide



ECO-ETHERMA EM	DN	Fitting length	N. Pressure	Weight	Code
ECO-ETHERMA EM	15	65 mm	PN 10 bar	0,9 kg	
ECO-ETHERMA EM-U	15	65 mm	PN 10 bar	1,0 kg	

Dimensions	L	DN	A	B	C
ECO-ETHERMA EM	65 mm	15	118	105	76
ECO-ETHERMA EM-U	65 mm	15	163	150	110



TECHNICAL DATA

Flow Q up to 0,9 m³/h

Pressure H up to 1,1 m

Power 2 - 8 Watt

Nominal pressure 10 bar

Permissible mediums

- Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol
- Pure non-explosive liquid media free from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +5 °C to +95 °C

Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium

0,28 bar < 90 °C Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Maximum power 8 W
- Shaftless spherical motor with ECM technology
- Protection IP 44
- Insulation class F
- Optional timer