

M1 Kitchen & Bathroom

Electronic water valve

Versions

AC	27EV009009	Interface
	27EV009006	Interface & Sensor
	27EV009016	Interface & WIFI
	27EV009015	Interface & Sensor & WIFI
AC/DC	27EV009008	Interface
	27EV009002	Interface & Sensor
	27EV009017	Interface & WIFI
	27EV009014	Interface & Sensor & WIFI

Technical Specifications

General

Technology	Patent pending
Maximum load	≤ 25 W (Stand by ≤ 1W)
Rated impulse voltage	12 VDC
Hydraulic connections	G3/8, John Guest ⁽¹⁾
Weight	0,54 kg

Temperature	Min	Max
Recommended input hot water range	48 °C	65 °C
Recommended input cold water range	5 °C	28 °C
Max. inlet temperature	65 °C ⁽²⁾	
Min. inlet temperature	> 0°C	
Mixed range	Full cold – Full hot	

Pressure

Max. dynamic	6 bar (0,6 Mpa)
Min. dynamic	1 bar (0,1 Mpa)
Recommended dynamic	3bar (0,3 Mpa)
Max. Different supply	4,5 bar (0,45 Mpa)
Burst	< 35 bar (3,5 Mpa)

Flow rate ⁽³⁾	Min	Max
Mixed water	2 l/min	15 l/min
Full cold- Full hot water	2 l/min	15 l/min

⁽¹⁾: On demand

⁽²⁾: Up to 80°C, less than 20 minutes

⁽³⁾: @3 bar free flow, DN8



Description

The M1 electronic mixing valve is engineered to connect with a digital interface, enabling precise control of water temperature and flow in kitchen and bathroom faucets. It supports advanced features including battery backup, infrared sensor option, wireless connectivity (Wi-Fi/Bluetooth), and customizable functions for extended capabilities.

Features

- Temperature control.
- Flow rate control by valve % opening.
- Super-Eco mode for very low flow rates according to ECO regulations.
- Automatic shut off after a defined period of time.
- Connectivity with Wi-Fi and Bluetooth available (optional)
- Safety close for valves auto close in case of a power cut off.
- Battery backup available for power shortage use.
- Multiple activations with different input interfaces with priority of use definition.
- Water dispensing timer to define glass and pot fill functions.
- User profile to set up temperature and flow can be configured.

Certifications

Electric Standards

EMC	EN 55014-1, EN 55014-2
SAFETY:	EN 60335-1
RoHS:	IEC 63000

Hydraulic Standards

QB2806-2017
EN-817
ASME #112.18.1

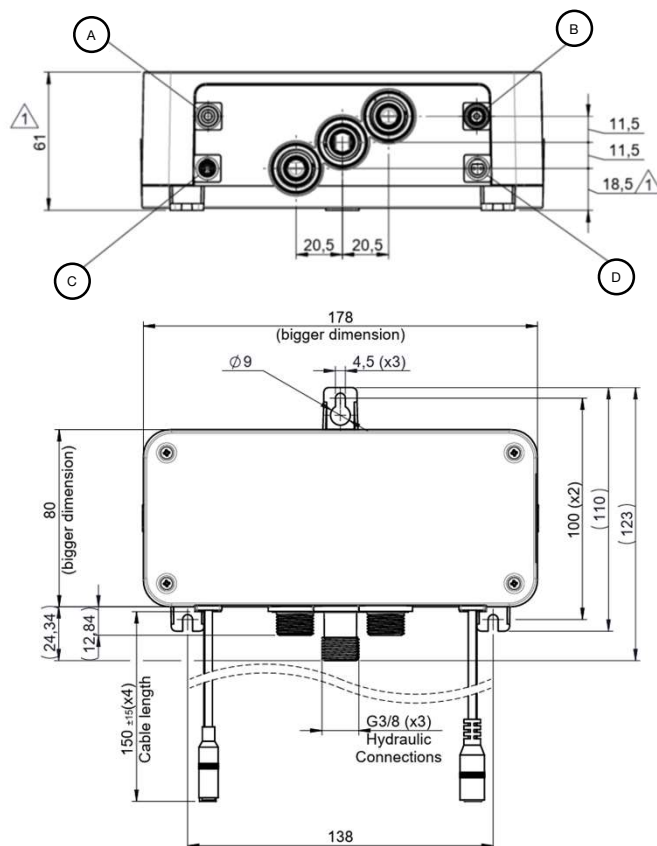
Sanitary Standards (Ready for...)

ACS
KTW/W270
WRAS
NSF61

Connectivity

RS485 Modbus RTU standard with open memory map registers to control the device.

Technical Dimensions



Jack 3,5 mm connector
Female, 4-pin
Cable to Interface



DETAIL A

Barrel 5,5x2,5 mm connector
Female, 2-pin
Cable to power supply



DETAIL B

DC connector
Male, 2-pin
Cable to batteries backup



DETAIL C

IP67 connector
Female, 4-pin
Cable to sensor



DETAIL D

Installation Requirements

Installation of filter Mesh 80 in the hydraulic line.
Position, size and type of filter must be mounted upstream of the mixer and acc. to EN817/ASME 112.18.1M

More information: www.sedal.com