

### T1 Shower

Class II



## Versions

AC	Model	Description
	27EV010027	T1 CLASS II 2 Outlet
	27EV010025	T1 CLASS II 2 Outlet with Wi-Fi
	27EV010027	T1 CLASS II 3 Outlet
	27EV010025	T1 CLASS II 3 Outlet with Wi-Fi

## Technical Specifications

### General

Technology	Patent pending
Maximum load	≤ 25 W (Stand by ≤ 1W)
Rated impulse voltage	12 VDC
Hydraulic connections	G1/2, G3/8, John Guest <sup>(1)</sup>
Weight	0,7 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 <sup>(2)</sup>
Min. inlet temperature		> 0°C
Mixed range	Full cold - 44°C <sup>(3)</sup>	

### Pressure

Max. dynamic	5 bar (0,5 Mpa)
Min. dynamic	1 bar (0,1 Mpa)
Recommended dynamic	3bar (0,3 Mpa)
Max. Different supply	1,5 bar (0,15 Mpa)
Burst	> 35 bar (3,5 Mpa)

Flow rate <sup>(4)</sup>	Min	Max
Mixed water 1 outlet	4 l/min	22,5 l/min
Full cold- Full hot water 1 outlet	4 l/min	14,0 l/min
Mixed water outlet 2 outlets	4 l/min	25,5 l/min
Full cold- Full hot water 2 outlets	4 l/min	14,4 l/min

<sup>(1)</sup>: On demand

<sup>(2)</sup>: Up to 80°C, less than 20 minutes

<sup>(3)</sup>: Configurable up to Full Hot on OEM demand

<sup>(4)</sup>: 3 bar, DN13 inlets, DN13 connection hose, free flow.

## Description

T 1 electronic water valve is a thermostatic mixer "CLASS II" valve . It is designed to be connected with an interface to control the water temperature and flow rate in a digital way.

Designed to work with 1 to 3 outlets with up to 2 outlets simultaneous with separated diverter box.

It has Wi- Fi connectivity as an option with special functions.

## Features

Thermostatic control  
Flow static control  
Automatic start-up  
Pause  
Eco flow  
3 users memory

### Special functions

- Warmup shower
- Child Shower
- User configurable programs
- Intelligent Bath fill mode

### Maintenance functions

- Thermal disinfection
- Impurity cleaning process

### Consumption parameters Reading and control

- Hot and cold temperature (inlets) & mixed (outlet)
- Hot and cold flow rate (inlets) & mixed (outlet)
- Water volume (cold, hot, mixed)
- Time of use
- Number of users

### Maintenance alarms and error diagnosis

- Cold and hot water leakage
- Cold and hot water failure
- Hot water temperature low
- Cold water temperature high
- Sensor malfunction
- Maintenance function error

### Certifications

#### Electric Standards

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

#### Hydraulic Standards

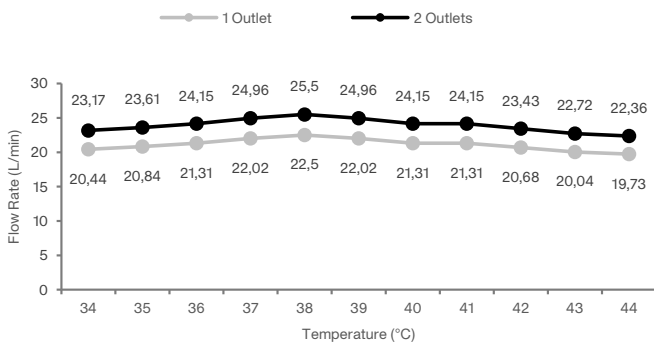
- QB2806-2017
- EN-817
- EN-1111
- ASME #112.18.1
- ASSE #1016-T,-P\*

#### Sanitary Standards (Ready for...)

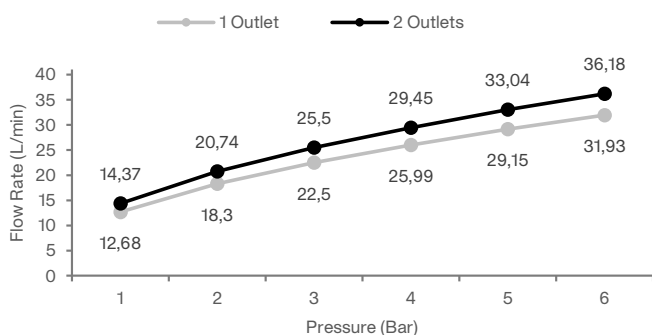
- ACS
- KTW/W270
- WRAS
- NSF61

### Flow Rate Detail

Max Flow Rate VS Temperature for 1 outlet (3 bar, DN13)



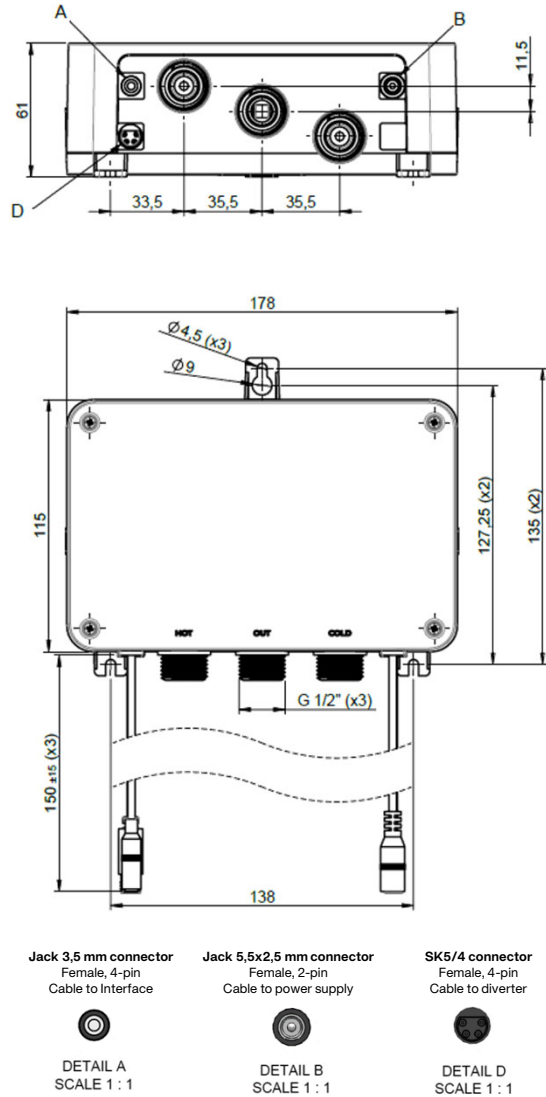
Max Flow Rate VS Pressure for 1 outlet (DN13)



### Connectivity

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

### Technical Dimensions



### 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

### Diverter

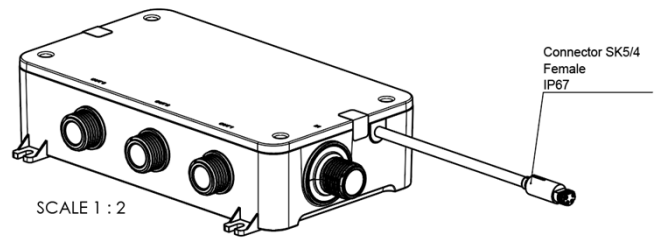
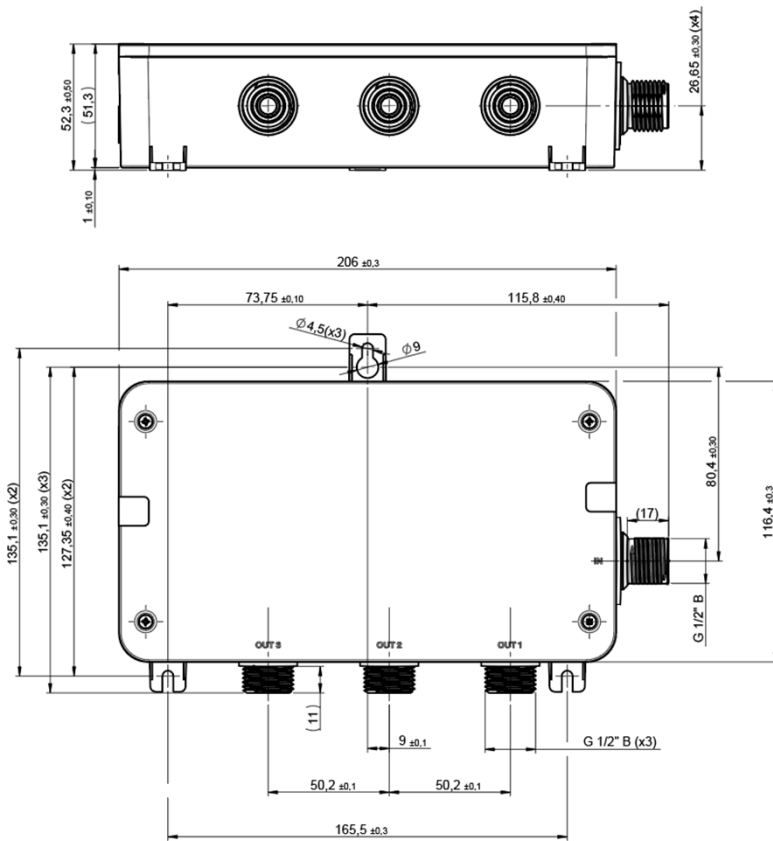
For T1 Class II



### Versions

- 27EV001038 Electronic Diverter (2 OUT)
- 27EV001037 Electronic Diverter (3 OUT)

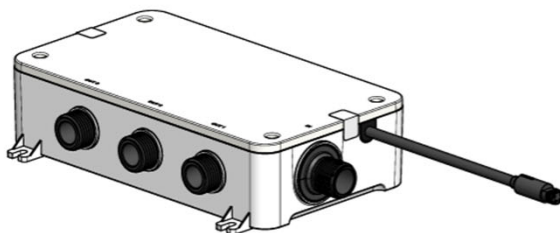
### Technical Dimensions



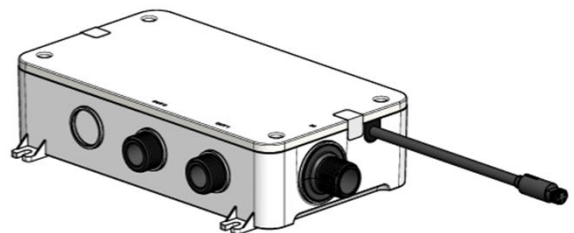
SK5/4 connector  
Female, 4-pin  
Cable to diverter



DETAIL D  
SCALE 1 : 1



27EV001037  
Electronic Diverter (3 OUT)



27EV001038  
Electronic Diverter (2 OUT)