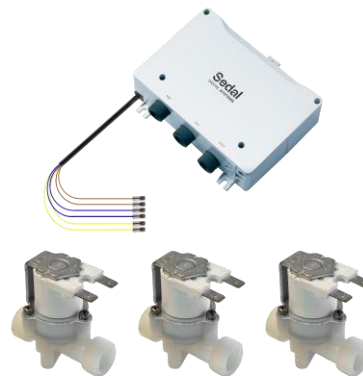


T1 Shower

Class I



Versions

AG	27EV000023	T1 CLASS I 3 Outlet
	27EV000025	T1 CLASS I 3 Outlet with Wi-Fi

Technical Specifications

General

Technology	Patent pending
Maximum load	≤20 W (Stand-by ≤1W)
Rated impulse voltage	12 VDC
Hydraulic connections	G1/2, G3/8, John Guest ^{*(1)}
Weight	0,4 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 - 44°C ^{*(3)}	

Pressure

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

Flow rate ^{*(4)}

	Min	Max
Mixed water	4 l/min	24 l/min
Full cold- Full hot water	4 l/min	13,3 l/min
Mixed water (2 outlet)	4 l/min	23,3 l/min
Full cold- Full hot water (2 outlet)	4 l/min	13,1 l/min

^{*(1)}: On demand

^{*(2)}: Up to 80°C, less than 20 minutes

^{*(3)}: Configurable up to Full Hot on OEM demand

^{*(4)}: 3 bar free flow outlet, DN13 inlets

Description

T1 electronic water valve is a thermostatic mixer "CLASS I" valve to be connected to an interface and control the water temperature and flow rate in a digital way for showers. It has several options with Wi-Fi or Bluetooth connectivity and special functions to add new functionalities.

Electronic water valve to be used with 2 or 3 solenoid valves (not included with mixing box)

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

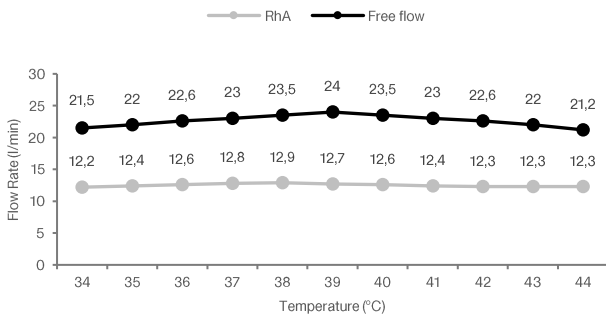
- QB2806-2017
- EN-817
- EN-1111
- ASME #112.18.1
- ASSE #1016-T

Sanitary Standards (Ready for...)

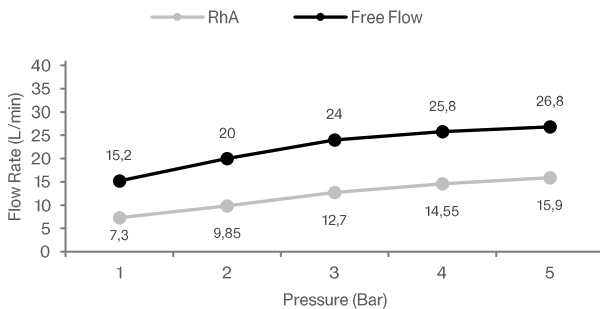
- ACS
- KTW/W270
- WRAS
- NSF61

Flow Rate Detail

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



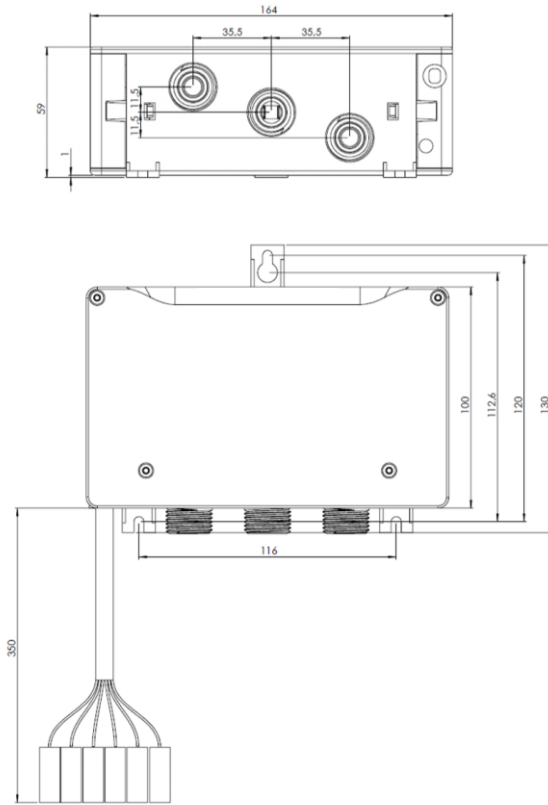
Max Flow Rate VS Pressure for 1 outlet (DN13)



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

More information: www.sedal.com

Solenoid Valve

For T1 Class I



Versions

360002 VALVE BISTABLE 12V

Technical Specifications

Classification

Type	Single
Geometry	180°

Working specifications

Working pressure	0,2 – 10 bar
Room temperature	0 °C -160 °C
Fluid temperature	25°C – 60°C – 90°C (peak)
Duty cycle	ED100%; ED60% (90 °C)
Flow direction	Unidirectional
Nominal diameter	DN 11 mm
Control	Latching; NC; NO

Physical specifications

Valve body	PA 6,6 30% glass fiber
Diaphragm and gaskets	EPDM; NBR; Silicone
Core	Stainless Steel
Spring	Stainless Steel
Assembly	With screws for inspection

Hydraulic connections

Inlet	1/2" BSP Male thread
Outlet	1/2" BSP Male thread

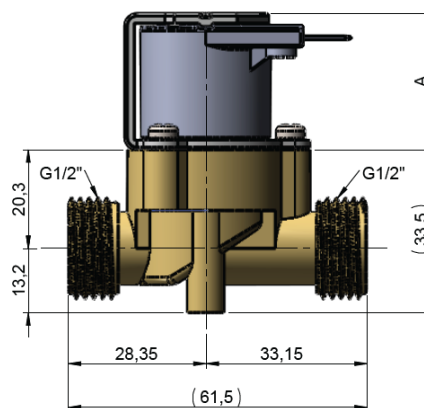
Electrical Connections

Electric connect 1	Male Faston 6,3 x 0,8 mm
Electric connect 2	Unipolar cables max 5m
Electric connect 3	Bipolar cables max 5m

Description

Compact solenoid valve with very low power demand with ability to open and close flow at wide range of temperatures.

Technical Dimensions



Dimension A (mm)	
Normally closed with faston	28
Normally closed with cable	29,2
Normally open	47,2
Latching (BISTABLE)	38,3