

CPU iV2 th 10

SUMMUM Smart electronic mixer

27EV000005



Description

Smart electronic device with digital reading and accurate, stable, thermostatic regulation of water temperature and flow rate at the point of use. Designed to be integrated in showers, columns, cabins or bath areas.

Features

- Temperature and flow static control (thermoflowstatic)
- Factory programmed (optional)
- Shower temperature start up setup
- Maximum water temperature limitation
- Time of use configuration
- Maximum flow rate limitation
- Different user or functional mode configuration
- Pause time
- Maintenance functions
 - Thermal disinfection
 - Hygiene flushing programs
 - Impurity cleaning process
- Consumption parameters Reading and control
 - Hot and cold temperature (inlets)
 - Mixed temperature (outlet)
 - Hot and cold flow rate (inlets)
 - Mixed flow rate (outlet)
 - Water cumulative consumption (cold, hot, mixed)
- Maintenance alarms and error diagnosis
 - Cold and hot water leakage
 - Cold and hot water failure
 - Insufficient hot water temperature
 - Cold water temperature high

SUMMUM Smart electronic mixer

27EV000005

Technical specifications

General		
Technology	.....	Patent pending
Maximum load	.....	≤18 W. (Stand-by ≤1W)
Rated Impulse voltage	.....	12 V DC
Ingress Protection Rating	.....	IP65
Hydraulic connections	.....	1/2 " M-GAS
Weight	.....	1,1 kg

Temperature	Minimum	Maximum
Input hot water range	..... 48 °C (1)	65 °C (2)
Input cold water range	..... 5 °C	28 °C (3)
Mixed maximum	..... Full hot (4)	
Mixed minimum	..... Full cold	
Optimum control range	..... 32 °C - 44 °C (5)	

Pressure		
Maximum dynamic	.....	6 bar (0.6Mpa)
Minimum dynamic	.....	1,5 bar (0.15Mpa)
Recommended dynamic	.....	3 bar (0.3Mpa)
Maximum differential supply	.....	4,5 bar (0.45Mpa)
(Durability) Burst	.....	>40bar (8Mpa)
(Durability) Leakage	.....	>20bar (2MPa)

Flow rate (3 Bar free flow)	Minimum	Maximum
Cold water	..... 6 L/min	18,2 L/min
Mixed water	..... 6 L/min	28,2 L/min

Standards

Electric Standards

CE

EN-61000-6-3 (2007) - Electromagnetic compatibility (EMC). Emission standard for residential, commercial and light-industrial environments Including: EN-55022 (2011) - Information technology equipment

EN-61000-6-1 (2007) - Electromagnetic compatibility (EMC). Immunity for residential, commercial and light-industrial environments. Including: EN-61000-4-2 (2010) - Electrostatic discharge immunity test

EN-61000-4-3 (2007) - Radiated, radio-frequency, electromagnetic field immunity test

EN-61000-4-4 (2013) - Electrical fast transient/burst immunity test

EN-61000-4-5 (2015) - Surge immunity test

EN-61000-4-6 (2014) - Immunity to conducted disturbances, induced by radio-frequency fields

Pressure Balance Standards

ASSE #1016 - Performance requirements for automatic compensating valves for individual showers and tub/shower combinations Including:

4.6.4 - Pressure and temperature variation test P type

¹ Recommended for perfect use between X °C - 44 °C

² Maximum temperature 80°C only for 20x5'

³ Recommended for perfect use between 32 °C - X °C

⁴ On OEM demand

⁵ Mixed water temperature range: [Cold water temperature +4] ... [Hot water temperature -4]

SUMMUM Smart electronic mixer

27EV000005

Thermostatic Standards

Pr EN-1111 (2015) - Sanitary Tapware - Thermostatic Mixing Valves. Including:

- 13.2 - Determination of flow rate
- 13.5.1 - Temperature control operation
- 13.5.2 - Flow rate reduction
- 13.5.3 - Cold supply failure and restoration
- 13.5.4 - Supply pressure variation
- 13.5.6 - Temperature Override Stops

ASSE #1016 - Performance requirements for automatic compensating valves for individual showers and tub/shower combinations Including: 4.6.5 - Pressure and temperature variation test T type

Technical dimensions

