

MultiSafe KS 3000 2402

Certified protection against lime formation



Field of application

The SYR MultiSafe KS 3000 offers all-round-safety for the domestic water installation. This combination device includes a module for protection against lime formation which is certified by an internationally recognised test institute (DVGW in Germany) and a

management and diagnosis system. It displays the water consumption. A message in the display indicates when service is due. These modules are controlled by the central processor unit of the MultiSafe.

Design

The electro-dynamic water treatment prevents the deposition of lime particles in the domestic water installation and on valves. The management and diagnosis

system allows individual setting of all important function data. The MultiSafe KS 3000 plus also offers protection against corrosion.



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Materials

The body is made of a low-lead, dezincification resistant gunmetal alloy. The treatment unit is made of high-quality synthetic material, the covering cap and the internal synthetic parts are made of shock-resistant thermoplast and the rubber parts are made of ageing-resistant elastomers. All remaining function components are made of a low-lead, dezincification-resistant

gunmetal alloy or stainless steel. The ring seals are made of asbestos-free fibre. All materials are tested and certified by an internationally recognised test institute (DVGW in Germany). All synthetic parts coming into contact with water intended for human consumption comply with the recommendations of the German Public Health Office (KTW).

Installation

Use a flange DN 20 - DN 32 from the extensive Drufi Flange programme to mount the MultiSafe KS 3000. A MultiSafe KS 3000 is generally recommended in one-

family houses or for the protection of a dwelling unit. It has to be centrally installed in the pipe behind the water meter.

Thoroughly flush the pipe prior to installation. Install the required Drufi connection flanges in vertical or horizontal pipes under consideration of the direction of flow and without applying stresses. All electric connections are pre-assembled in factory. Prior to installation, ensure that

there is a minimum distance between the bottom and the middle of the pipe of 450 mm. It is recommended to install a drinking water filter upstream in order to protect the MultiSafe.

Technical data

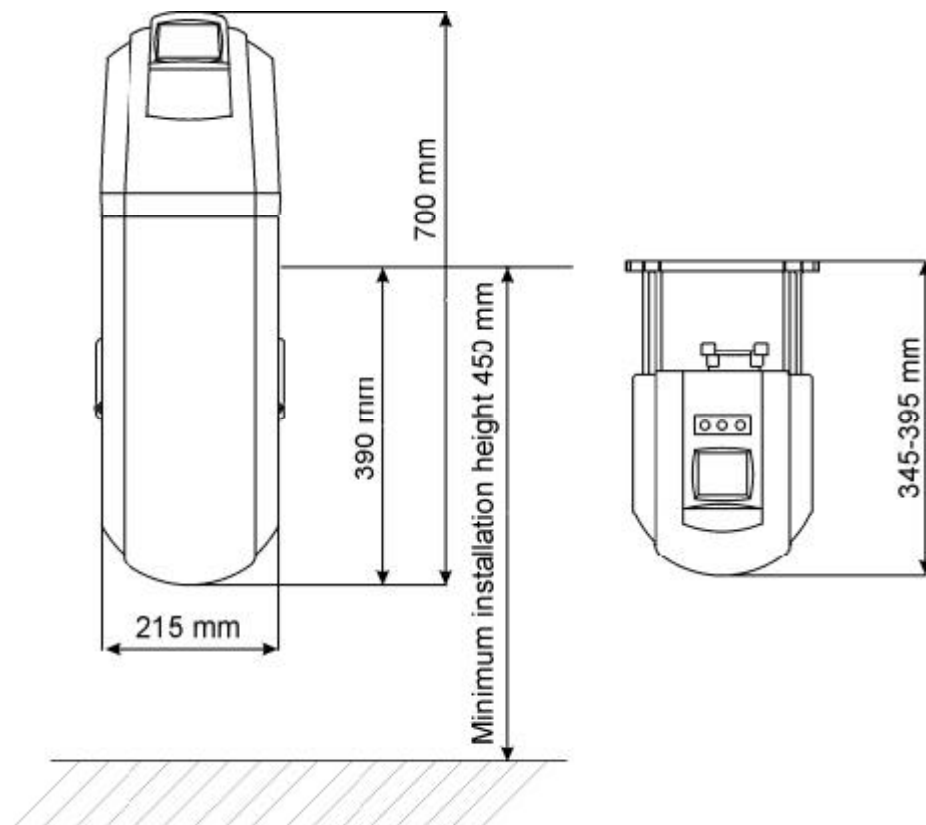
Operating pressure:	min. 2 bar, max. 10 bar
Operating temperature:	max. 30 °C
Mounting position:	main axis vertical
Fluids:	potable water
Flow rate:	3.0 m ³ /h (doubled with double connection flange to 6 m ³ /h)
Pressure loss at nominal flow rate:	0.5 bar
Power supply:	230 V / 50 Hz
Electric supply capacity:	max. 55 W
Capacity in Stand-By.Status:	5 W
Protective system:	IP 21
Maintenance interval of treatment unit:	400 m ³
DVGW-Certification N°:	Anti-lime protection: DW-9191BM0239
Serial N°:	2402...

Maintenance

The treatment unit shall be exchanged after a water throughput of 400 m³ in order to maintain optimal effectiveness. The MultiSafe KS 3000 displays a maintenance

reminder. When the treatment unit has been exchanged, it can be sent back to the SYR Company free of charge for recycling.

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Nominal size		DN 20 - DN 32
Dimensions	A	G 3/4 - G 1 1/4
	H (mm)	700
	h (mm)	390
	L (mm)	215
	T (mm)	345 - 395

Models

with protection against corrosion:
KS 3000 plus: 2402.00.001

MultiSafe KS 3000 2402

Components / Order numbers

①
Head part of electronic system

②
Wall-mounted holding device
2400.00.906

③
Connecting flange

④
Treatment unit
2400.00.900
2400.00.910 (plus)

⑤
Covering cap
2402.00.901

