

Drufi max FR 2315

Semi-automatic backwash filter DN 32 - DN 50



Field of application

SYR Drufi max FR is a compact semi-automatic backwash filter specially designed for installation at the domestic point of entry. The construction form results in a compact unit, so that installation is possible even in confined spaces. Use the Drufi max universal flange (order separately) for

installation in the pipe. This flange can be mounted in vertical and horizontal pipework. The Drufi max FR is equipped in series with an electronic maintenance reminder. The ball valve is supplied with a tundish for the connection of a synthetic pipe of DN 50 or a hose of DN 20.

Design

The Drufi max FR is composed of a mechanical semi-automatic backwash filter made of stainless steel. It also includes a

flange seal, hexagon socket screws for the flange assembly and an assembly key for the hexagon socket screws.

Drufi max FR 2315

Materials

The filter cap is made of high-quality synthetic material. The body and the internal synthetic parts are made of shock-resistant thermoplast, the rubber parts of ageing-resistant elastomer. All remaining functional parts 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 in Germany (DVGW). All synthetic components getting in contact with water designed for human consumption are approved by the German Public Health Office (KTW).

Installation

It is recommended to install a filter in a drinking water system for the protection against corrosion. System components and appliances located downstream should also

be protected by a filter. Install the Drufi max FR directly behind the water metering system and ensure that it is easily accessible.

Thoroughly flush the pipework prior to installation. Use filtered water from the first onset of the drinking water installation. Always use a universal flange to mount the Drufi max FR, which allows installation in vertical and horizontal pipes. The main axis

of the filter has to be vertical. Install the suitable flange in the pipework without applying stresses. Attach it to the filter body with 4 stainless steel screws; pull them pressure-tight crosswise with the key included in the delivery.

Technical data

Operating pressure:	min. 2 bar, max. 16 bar
Operating temperature:	max. 30°C
Mounting position:	main axis vertical
Fluid:	potable water
Mesh width:	90 µm
Certified by DVGW:	DN 32: DVGW NW-9301AT2634 DN 40 + DN 50: DVGW NW-9321AT2632
Flow rate:	DN 32: 8.0m³/h at 0.2 bar Δp DN 40: 10.0 m³/h at 0.2 bar Δp DN 50: 12.0 m³/h at 0.2 bar Δp
Serial number:	2315.00.022

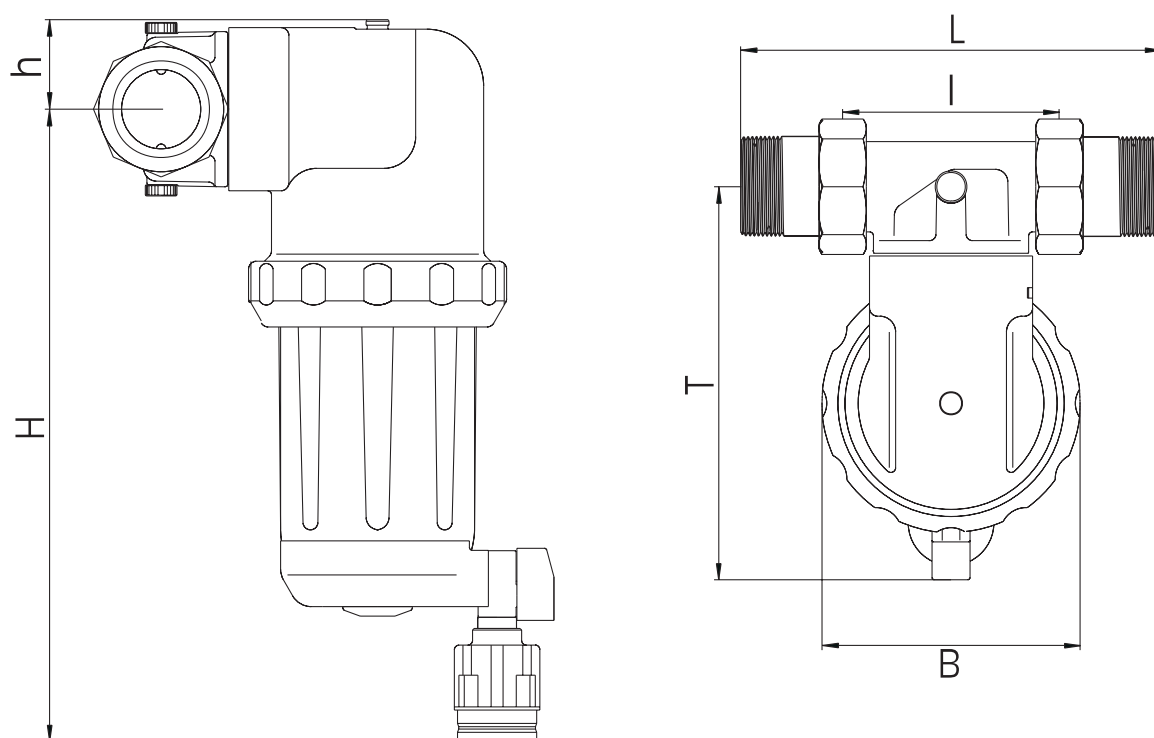
Maintenance

When the flow rate is reduced due to increased pressure loss, but every 2 months at the latest, the filter needs to be serviced by backwashing.

The LED on the ball valve of the Drufi max FR flashes permanently when the maintenance interval has expired. The backwash system of the Drufi max FR is semi-automatic. Open and close the ball valve to trigger the automatic backwash

operation of the complete filter. Even during backwashing, the device continues to supply filtered water into the potable water system. When the filter has been serviced, press the reset button on the memory knob so that the electronic system starts again to count out the maintenance interval. The Drufi max FR can be retrofitted with the SYR-Tronic system to become a fully automatic backwash filter.

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**Connection flange not included
in the delivery**

Nominal size		DN 32	DN 40	DN 50
Dimensions	A	G 1 ¼	G 1 ½	G 2
	H (mm)	410	410	410
	h (mm)	56,5	56,5	56,5
	T (mm)	248	248	248
	B (mm)	163	163	163
	L (mm)	216	240	265
	l (mm)	130	150	150

Accessories

Universal flange Drufi max: DN 32: 2315.32.015
 DN 40: 2315.40.005
 DN 50: 2315.50.005

SYR-Tronic: 2316.00.000

Drufi max FR 2315

Components / Order numbers

① Unions for universal flange

DN 32 Thread	0812.32.900
DN 32 Soldered	0813.32.900
DN 40 Thread	0812.40.900
DN 40 Soldered	0813.40.900
DN 50 Thread	0812.50.900
DN 50 Soldered	0812.50.900

② Manometer

0-10 bar	2000.00.906
0-25 bar	2000.00.907

③ Sealing kit, incl. screws and key 2315.00.944

④ Valve body 2315.00.950

⑤ Suction housing 2315.00.958

⑥ Filter 2315.00.942

⑦ Supporting part 2315.00.948

⑧ Spring 2315.00.947

⑨ O-ring 2315.00.941

⑩ Filter cap 2315.00.940

⑪ Ball valve with tundish 2315.00.945

⑫ Tundish 2315.00.946

