



**Back-flushing filter**  
for drinking water

**100.42 to 100.44**

**R 3/4 to R 1 1/4**

**from 90 µm to 110 µm**

**DVGW**

**General**

- Manual back-flushing filter for drinking water and domestic water
- DIN / DVGW-tested
- Lower mesh width 90 µm
- Upper mesh width 110 µm
- KTW recommendations complied with

**Characteristics**

Type Ident No.	100.42 101409	100.43 101410	100.44 101411
Pipe connection	R 3/4	R 1	R 1 1/4
Type of construction	Filter housing with filter candle		
Mounting position	Horizontal or vertical pipes		
Medium	Drinking water acc. to drinking water regulations		
Input pressure	Max. 16 bar		
Water temperature	+5 °C to +30 °C		
Ambient temperature	+5 °C to +40 °C		

**Materials**

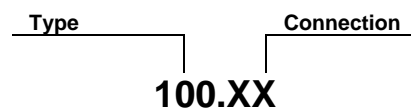
Part	Material
Housing	Brass
Pipe screw fitting	Brass
Filter tank	Plastic (PVC)
Fine strainer	POM / polyester
Seals	EPDM
Drain section	PP

**Installation**

- For mounting on horizontal or vertical pipes
- Provide shut-off valves at both ends
- Easy accessibility simplifies regular servicing
- Installation location must be protected against frost and UV radiation
- Avoid contact with chemicals, dyes, solvents and mineral oil products
- Extreme pressure surges may damage the equipment

➔ **Please heed the instructions contained in the installation and operating manual**

**Ordering information**



Connection	
XX=	Connecting thread
42	R 3/4
43	R 1
44	R 1 1/4

**Applications**

This back-flushing filter is used to filter drinking and domestic water in addition to well, process and cooling water for once-through cooling systems.

The built-in filter cartridge removes foreign bodies (rust particles, chips, sand, hemp residues, etc.) and protects the water pipes and water-carrying parts of the system on the downstream side.

Premature corrosion and malfunctions are thus effectively prevented.

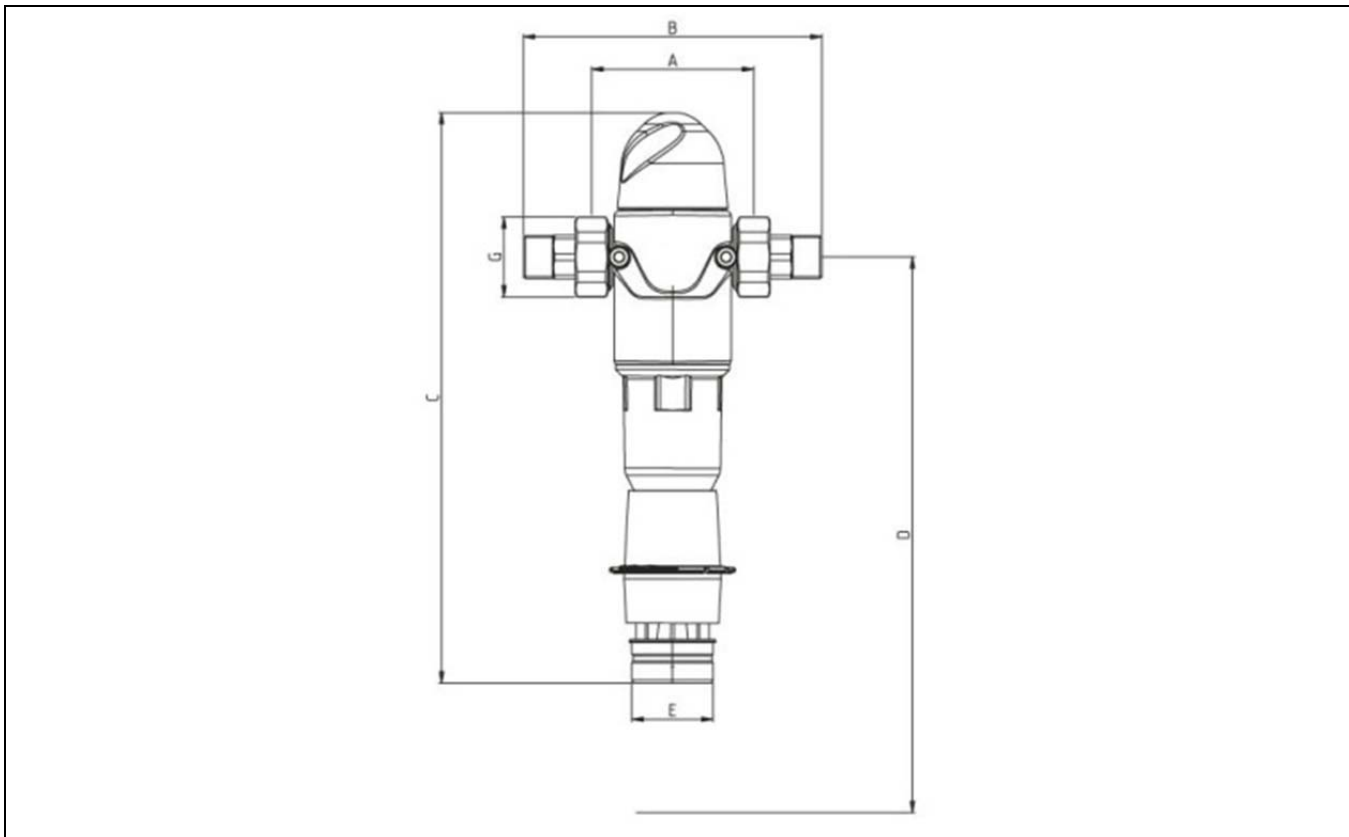
**Not suitable for:**

- Chemically treated water cycles
- Oils, greases, solvents, soaps and other lubricating media

**Accessories**

Designation	Article No. / Ident No.
Filter insert	100/421 / 101412
Plastic tank	100/422 / 101413

### Dimensions



### Dimensions [mm]

Article No.	A	B	C	D	E	G
100.42	80.0	184	352.5	350	50	G 1 1/4
100.43	80.0	184	352.5	350	50	G 1 1/4
100.44	106.4	228	352.5	350	50	G 1 1/4

### Flow rates

Article No.	100.42	100.43	100.44
Flow rate [m <sup>3</sup> /h] $\Delta p$ 0,2 bar	3.0	3.5	4.0

### Maintenance

	Activity	Interval	Responsible
Servicing	Clean the filter candle by back-flushing	Once every two months or more often if necessary	Plumbing firm Owner