



Back-flushing filter with pr. regulator
for drinking water

100.52 to 100.54

R 3/4 to R 1 1/4

2.0 to 6.0 bar
from 90 µm to 110 µm

DVGW

General

- Soundproofing pressure regulator (DIN 1988)
- 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.	100.52 101423	100.53 101424	100.54 101425
Pipe connection	R 3/4	R 1	R 1 1/4
Type of constr. (filter) (regulator)	Filter housing with filter candle Diaphragm pressure regulator with pressure-reduced, single-seated valve		
Mounting position	Horizontal or vertical pipes		
Medium	Drinking water acc. to drinking water regulations		
Input pressure	max. 16 bar		
Control range	2.0 to 6.0 bar		
Water temperature	+5 °C to +30 °C		
Ambient temperature	+5 °C to +40 °C		

Materials

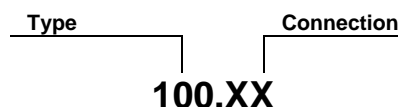
Part	Material
Spring bonnet (regulator)	PA (fibre-reinforced)
Housing	Brass
Pipe screw fitting	Brass
Filter tank	Plastic (PVC)
Fine strainer	POM / polyester
Seals	EPDM
Drain section	PP

Installation

- 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
52	R 3/4
53	R 1
54	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 water-carrying parts of the system on the downstream side.

The integrated pressure regulator adjusts the pressure of the domestic water supply to a settable, reduced value, depending on local requirements.

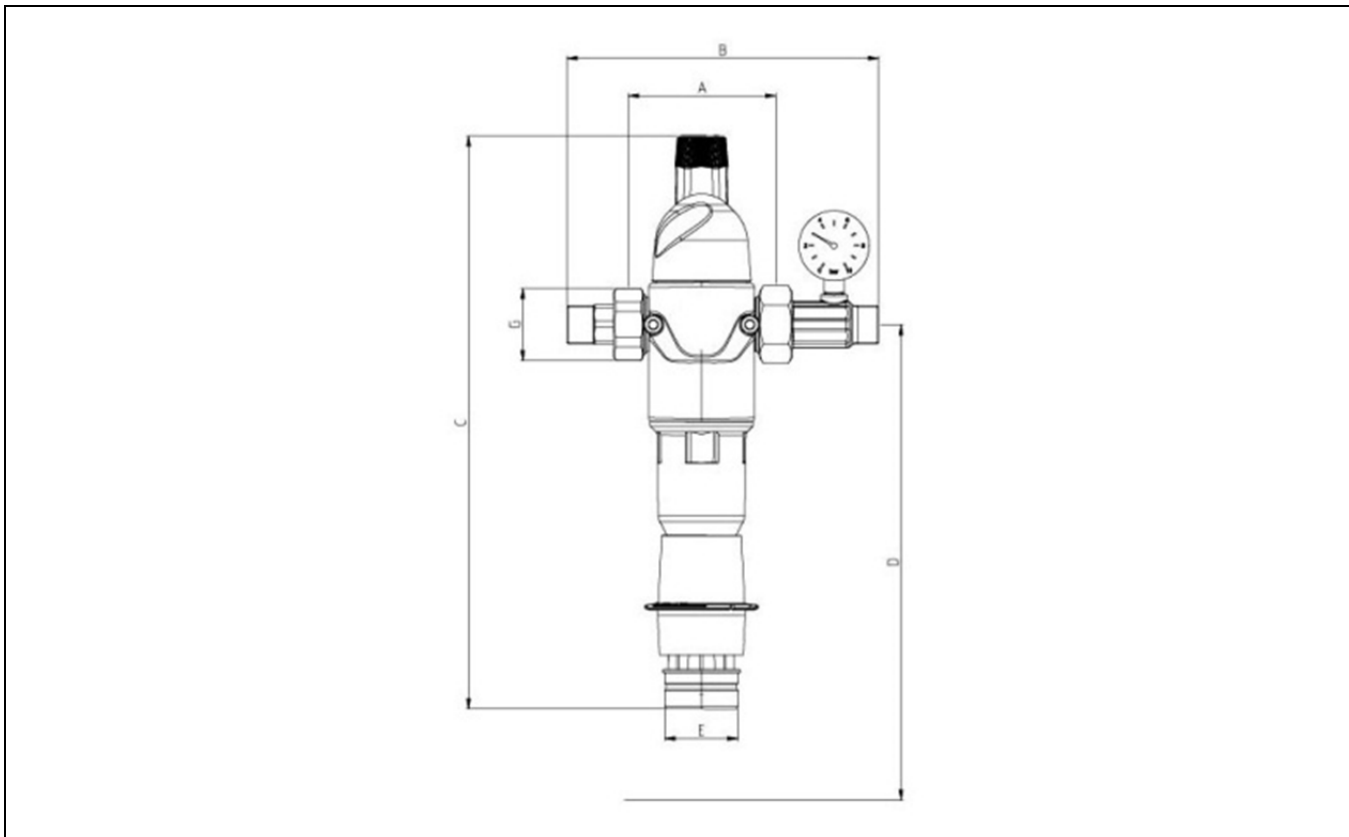
Not suitable for:

- 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
100.52	79.7	213	392.8	350	50	G 1 1/2
100.53	79.7	213	392.8	350	50	G 1 1/2
100.54	79.7	213	392.8	350	50	G 1 1/2

Flow rates

Article No.	100.52	100.53	100.54
Flow rate [m ³ /h] Δ_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