

Water filter WAF 04 R with pressure reducer, backwashable



- With integrated pressure reducer
- Inlet pressure compensation for constant outlet pressure
- Rotatable cover to indicate the next backwashing date
- Transparent filter cup shows degree of pollution of the filter
- Innovative backwashing system – fast and thorough cleaning of the filter, low water consumption



Application For the protection of drinking water installations against corrosion as per DIN 1988. The pressure reducer reduces the inlet pressure to an even, system-specific pressure in order to protect the installation and to ensure economical water consumption. Water filters help to keep pollutants such as rust particles and sand grains from reaching the domestic water installation and thus protect valves, machines, flow heaters, etc. from malfunctions caused by pollution. Ideal for modernisation of domestic water installations where an existing filter needs to be replaced.

Description DVGW-tested water filter, compact plastic version with backwashable fine filter, integrated pressure reducer and pressure gauge for the outlet pressure. The fine filter insert consists of an upper part and a combined lower part. In the operating state "Filtration", the small upper filter is closed so that the water can only flow through the main filter from the outside to the inside. When the ball valve for "Backwashing" is opened, the filter is pressed down until the water supply to the outside of the main filter is interrupted. At the same time, the water flow through the upper filter is opened. The water required for cleaning the filter flows through the upper sieve, the rotating impeller and the main filter from the inside to the outside. This ensures effective cleaning of the filter across the entire surface of the sieve at full inlet pressure. When the ball valve is closed again, the filter automatically resumes normal operation.

The pressure reducer operates on the basis of a force comparison system, i.e. the force of a spring counteracts the force of a diaphragm. The inlet pressure neither acts in the opening nor in the closing direction. Therefore, pressure changes at the inlet pressure side do not affect the outlet pressure.

Technical specifications

Medium
Drinking water

Inlet pressure
Max. 16 bar

Outlet pressure
1.5 – 6 bar

Operating temperature range
Medium: Max. 30 °C

Mounting position
Vertical or horizontal with filter cup down

Connection
G $\frac{3}{4}$, G1, G1 $\frac{1}{4}$ as required

Material
Housing: High-grade plastic
Fine filter: Stainless steel, mesh size 110 μ m
Filter cup: Shock-resistant, transparent plastic

DVGW approval
NW-9311AT2316



Automatic backwashing unit RA 01 (accessory) for setting the intervals of automatic backwashing.

DG: G	PG	Part no.	Price €
WAF 04 R – G $\frac{3}{4}$	1	42714	
WAF 04 R – G1	1	42715	
WAF 04 R – G1 $\frac{1}{4}$	1	42716	
Accessories			
Automatic backwashing unit RA 01 for WAF 04 R	4	42739	