



BWT Protector Mini rinse filter

Mini filter – maxi advantages

Installing filters in all domestic appliances is obligatory to comply with European standards. But that is not enough. Why?



Protector Mini H/R
(hot/rinse)

Protector Mini C/R
(cold/rinse)



Drinking water filters are installed to keep your drinking water facility free from particles and contaminants which would otherwise be washed in by maintenance work and new connections to the local network. In the absence of protective filters, these particles cause technical domestic appliances to malfunction, block valves, make taps drip and can even cause pitting corrosion and burst pipes. The consequence of this could be costly decontamination.

A filter is a precautionary measure, but simply installing one is only half the battle.

Because, in practice, drinking water filters often deteriorate over years, sometimes decades. Although the contaminants washed in are effectively detained, after a corresponding operating time more and more unsightly dust collects in the filter element. A filter contaminated in this way needs to be cleaned.

BWT Protector Mini cleans filters effortlessly by simple rinsing.



BWT Protector Mini – a little filter with big ideas

BWT Protector Mini filters are available in a modular concept for hot water (H/R) and cold water (C/R) in ½", ¾" and 1". With the BWT Dimo pressure regulator they can be upgraded to a domestic water station in the wink of an eye.



Protector Mini head section

- Easy to assemble thanks to universal connectability, internal and external thread and supplied connecting screw
- Hexagonal spanner flat for assembly and counteraction
- Pressure regulator and manometer
- Manometer connection



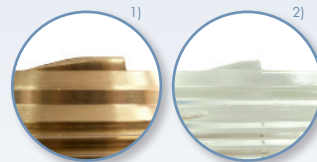
Protector Mini filter element

- Robust stainless steel filter element
- 1 filter element for 3 sizes / 2 types = 6 variants
- Either unscrew cup by hand (C/R) or with a standard hexagonal spanner flat (H/R)



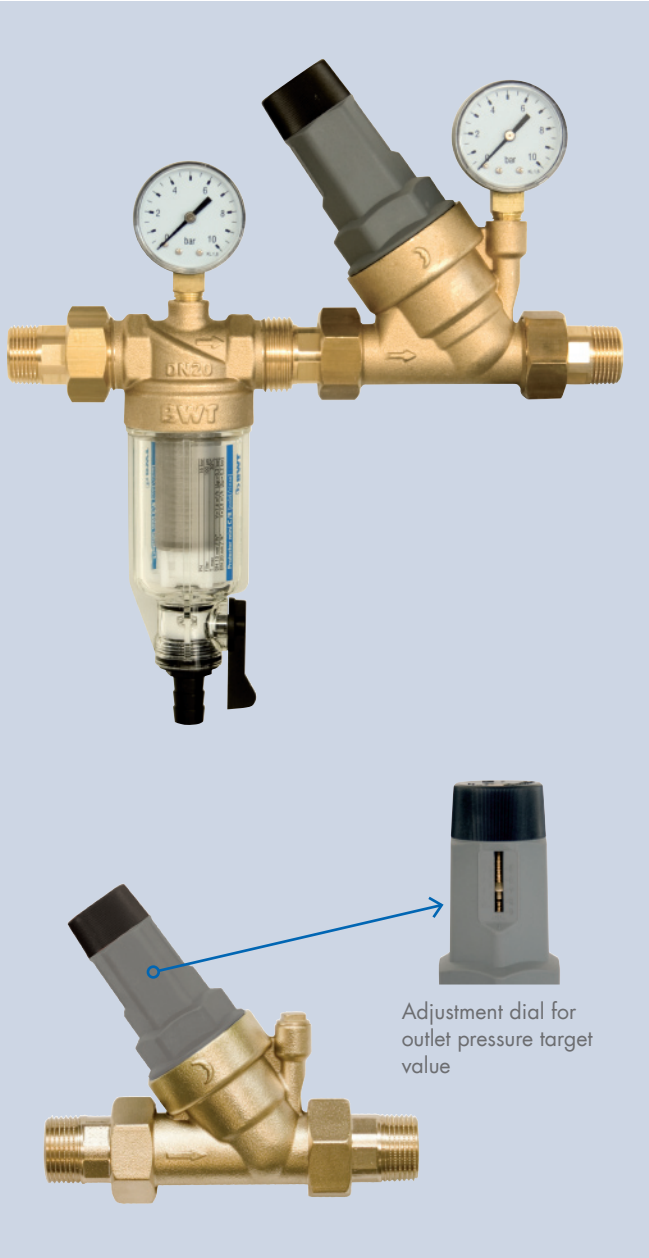
Protector Mini filter cup and rinsing ball valve

- Cup thread in position for exact compression of the O-ring seal



- Only one filter cup for three dimensions H(ot) and C(old) in each instance
- Tested with > 200,000 load change at 1.5 times nominal pressure, 21 bar at C/R, 30 bar at H/R
- Rinsing ball valve with hose attachment for spray-free run-off during filter cleaning

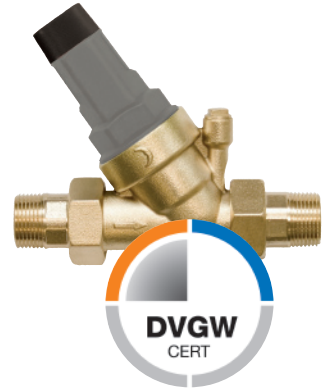
Gentle and economical – combination with Dimo pressure regulator



BWT Dimo pressure regulator

BWT pressure regulators regulate the domestic water supply pressure to the adjustable, reduced value. Only a uniform pressure which is not too high

- Spares fittings and domestic water appliances and
- Helps to save water



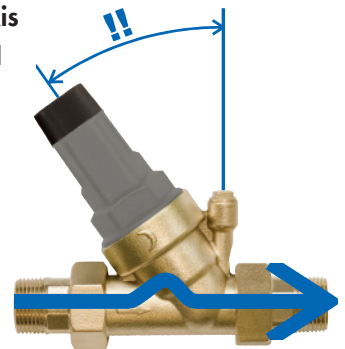
Valve core – BWT's linchpin Pressure regulator (fully replaceable, block design)

- precise pressure regulation due to extensive membrane
- reliable function – all moving parts embedded in plastic, and also:
- integrated coarse sieve – protects all components from particles and contaminants



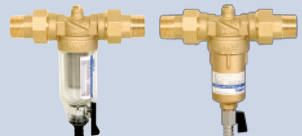





















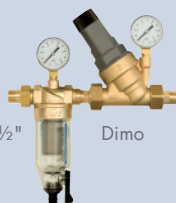
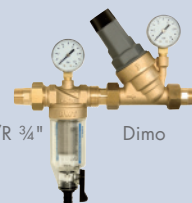
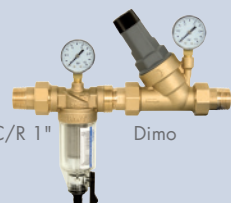
















Patented: inclined valve axis

- consequently only minimal redirection,
- lowest noise levels and
- greatest possible flow rate



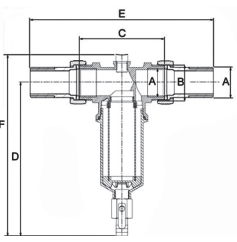

Economically outstanding – the One-for-all spare part concept

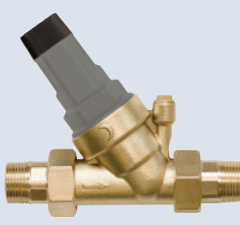
| | | | |
|---|---|--|---|
| One-for-all: Just 1 spare part fits all dimensions in all cases |  C/R 1/2" H/R 1/2" |  C/R 3/4" H/R 3/4" |  C/R 1" H/R 1" |
| Manometer  Item no. 883214 |   |   |   |
| Filter element  Item no. 810508 |   |   |   |
| Filter cup + head section  C/R 30°C H/R 70°C |   |   |   |
| One-for-all: Just 1 size for all dimensions – for pressure regulators too |  C/R 1/2" Dymo |  C/R 3/4" Dymo |  C/R 1" Dymo |
| Spring cap  Item no. 883247 |   |   |   |
| Valve core  Item no. 883217 |   |   |   |

Highest production standards for your safety

The magic word is „**HACCP – Hazard Analysis Critical Control Points**“. This is a **hygiene standard** for the assurance of manufacturing safety, legality and quality of products. All **BWT products** have been manufactured in accordance with this hygiene standard oriented towards the production of foodstuffs since September 2008.

Technical data

|  | |  | | | | | |
|---|-------------------|--|---------------|---------------|-------------------------|---------------|---------------|
| Protector Mini rinse filters | Typ | H/R 1/2" | H/R 3/4" | H/R 1" | C/R 1/2" | C/R 3/4" | C/R 1" |
| Connection widths | DN | 15 | 20 | 25 | 15 | 20 | 25 |
| Flow rate at $\Delta p = 0,2$ bar | m ³ /h | 1,6 | 2,8 | 3,5 | 1,6 | 2,8 | 3,5 |
| Filter grade | µm | 100 | | | | | |
| Nominal pressure (PN) | bar | 25 | | | 16 | | |
| Operating pressure min./max. | bar | 1,5 during rinsing / 25 | | | 1,5 during rinsing / 16 | | |
| Water temperature min./max. | °C | 5 / 70 | | | 5 / 30 | | |
| Ambient temperature min./max. | °C | 5 / 40 | | | | | |
| Length A | | G 1/2" | G 3/4" | G 1" | G 1/2" | G 3/4" | G 1" |
| Length B | | G 3/4" | G 1" | G 5/4" | G 3/4" | G 1" | G 5/4" |
| Installation length C | mm | 80 | 90 | 100 | 80 | 90 | 100 |
| Height D | mm | 160 | 160 | 164 | 164 | 164 | 164 |
| Installation length E | mm | 133 | 160 | 184 | 133 | 160 | 184 |
| Height F | mm | 190 | 190 | 194 | 194 | 194 | 194 |
| Item no. | | 810506 | 810507 | 810541 | 810523 | 810524 | 810531 |

|  | | Dimo pressure regulator | Typ | 1/2" | 3/4" | 1" |
|---|--|-------------------------|-----|---------------|---------------|---------------|
| Connection widths | | DN | | 15 | 20 | 25 |
| Flow rate at $v = 3$ m/sec. | | m ³ /h | | 2 | 3,4 | 5,3 |
| Nominal pressure = PN | | bar | | 16 | 16 | 16 |
| Pressure control area outlet pressure adjustable | | bar | | 1,5 – 6 | 1,5 – 6 | 1,5 – 6 |
| Water temperature max. | | °C | | 30 | 30 | 30 |
| Item no. | | | | 883212 | 883214 | 883215 |

The maxi advantages of your Protector Mini at a glance:

Economical and durable

- Filter protects and extends the lifespan of domestic appliances, valves and pumps of domestic appliances
- Pressure regulator helps to save water
- Recyclable materials (brass, stainless steel, modern plastics)
- Homogeneous spare parts: 'One-for-all' concept

Universally useable

- Connection with internal and external thread
- Filter element can be replaced without special tools
- Can be upgraded with manometer and pressure regulator

Worry-free quality for many years for you and your customers

- Hygienically produced and individually packed using Europe's state-of-the-art HACCP production for storage in accordance with EN 806-2
- State-of-the-art materials tested at 1.5 times nominal pressure (21 bar at C/R, 28 bar at H/R) at >200,000 load change



BWT – The Water Company

The Best Water Technology Group was formed in 1990 and today is Europe's leading water technology company. The goal of our 2,800 employees in 80 subsidiaries and associates is to provide private, industrial, business, hotel, hospital and municipal customers with innovative, ecological and efficient technologies that deliver maximum safety, hygiene and health in their daily contact with the elixir of life, water.

BWT offers state-of-the-art water treatment technologies and services for drinking water, pharma water, process water, heating water, boiler water, cooling water and water for air-conditioning systems as well as swimming pool water. For the technological superiority in all areas of water treatment, the international BWT innovation centers continuously research, develop and optimize processes for filtration, filter media, ion exchange systems for demineralization, softening, decarbonisation, membrane technologies (microfiltration, ultrafiltration, nanofiltration, reverse osmosis), pure steam generators, high purity water distills UV systems, ozone generators, ion exchange membranes, electrolysis systems, electrodialysis, electrodeionisation, chlorine dioxide generators and metering pumps which are used throughout the world to achieve excellent water quality.

Tens of thousands of service employees, plumbers, planners, architects and sanitation experts constitute the BWT water partner network. Whether at the entrance of the water pipe into a building (at the "Point of Entry") or at the tapping point ("Point of Use"),

BWT products "made in Europe" have proven their quality million times. With new table water filters for preparing tea or coffee, filters for optimizing water for coffee machines, water filters for baking and steam ovens and vending machines, under-the-sink particle-filters as well as micro-filters, water dispensers, reverse osmosis and UV devices BWT also offers compact and innovative products for end consumers for best water quality.

With unique high efficiency membranes for fuel cells and batteries BWT is working for a cleaner energy supply of the 21st century.

Employees in Research & Development work on new processes and materials using state-of-the-art methodologies targeting to develop ecological, at the same time efficient products. The reduction of energy consumption of products and minimization of CO₂ emissions forms a key issue for new and further development. Ecological, economical and social responsibility and the employment of state-of-the-art technologies as well as permanent product evolution contribute significantly to growing the company and the reputation of the market-leading regional brands BWT, HOH, Permo and Christ Aqua as well as Christ Aqua Pharma & Biotech.

BWT – The Water Company - is our vision to provide our customers and partners with the best products, systems and technologies and services in all areas of water treatment.

Our vision:

BWT – The Leading International Water Technology Group

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