

Backwash filter with pressure reducer

permaster black

Reduce water consumption. And enjoy full comfort.

Filter-pressure reducer combinations of the permaster black series are characterised by all the advantages of the permaster black backwash filters. In addition, the inlet pressure can be reduced and the integrated pressure reducer compensates for pressure fluctuations from the supply network. This effectively protects valves and equipment from damage. Reducing the water pressure to the desired level reduces water consumption without loss of comfort.

[Product datasheet](#) [Details for specialized companies](#)

- Protects the drinking water installation from alluvial dirt particles
- Particularly durable and stable thanks to high-quality materials
- Light protection against algae formation through tinted filter cup
- Double cleaning effect for filter sieve and filter cup due to specially developed strip brushes
- Integrated pressure reducer protects valves and equipment from pressure surges
- Reduction of water pressure reduces water consumption without loss of comfort
- Available in connection sizes from DN 25 to DN 50

Protect your installation



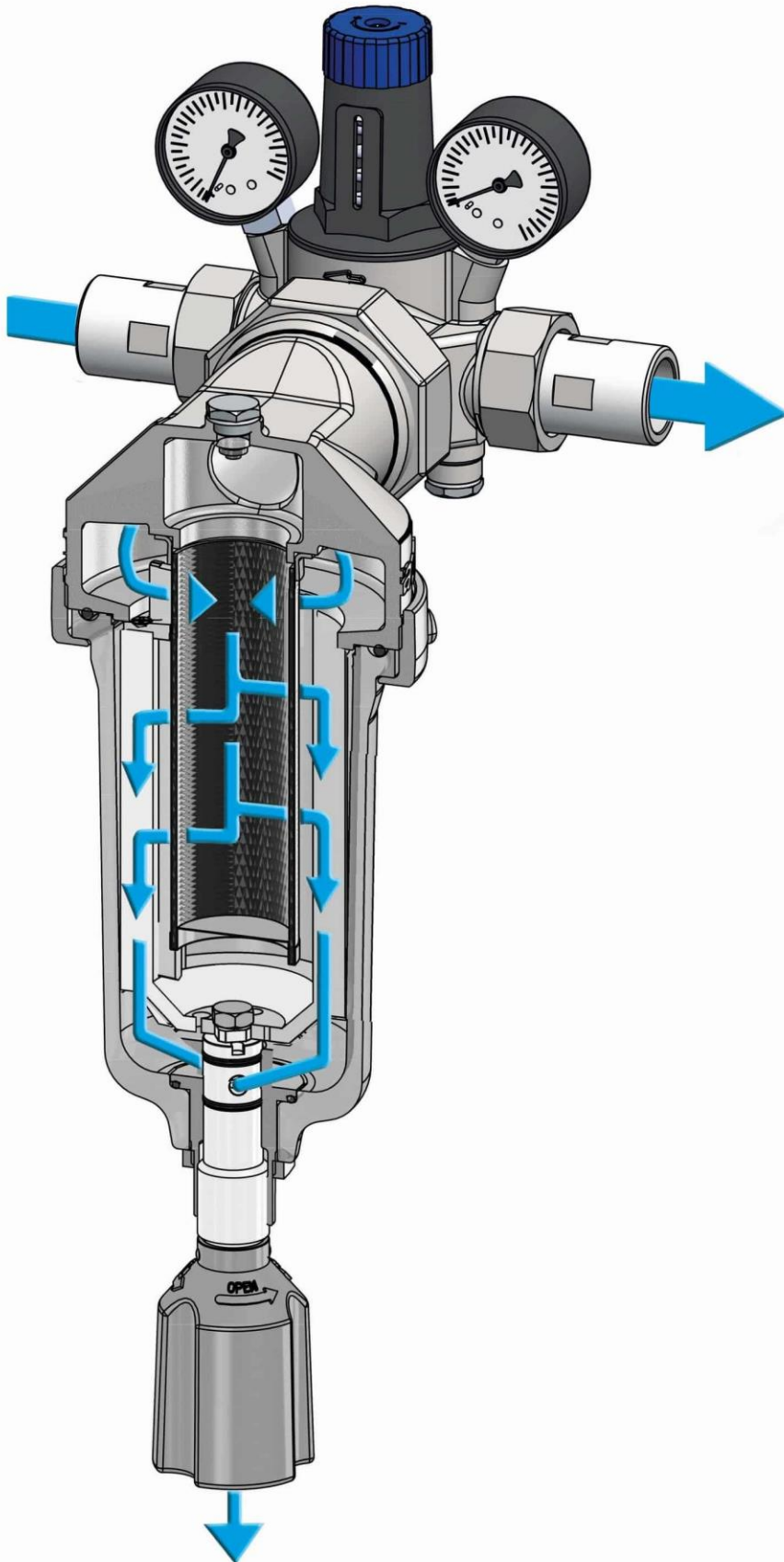
Save water in the process



Filter water with permaster black.

Filtration.

NORMAL WATER FLOW: In normal operation the water flows from the outside to the inside through the sieve and is filtered.



Patented strip brushes cleaning.

Backwashing.

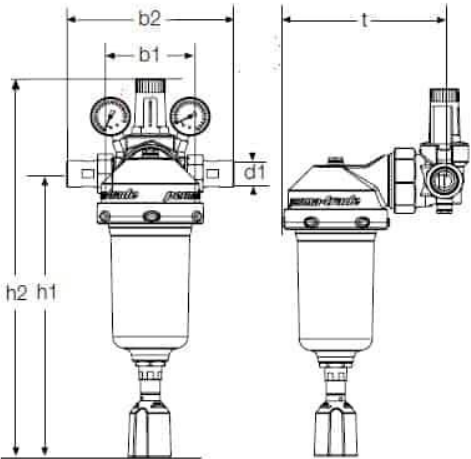
BACKWASH: The flow direction of the water is reversed. Strip brushes clean the transparent filter cup and the stainless steel filter strainer during backwashing. Dirt particles are rinsed out through the drain funnel.

Technical Information

Detailed Information

Typ	PT-HWS 25	PT-HWS 32	PT-FDK 40	PT-FDK 50
Connection thread d1 DN	25	32	40	50
customs	1	1¼	1½	2
Nominal flow rate in m ³ /h	3,6	3,6	9,1	14
Mesh size in µm	100	100	100	100
max. operating pressure in bar	16	16	16	16
Control range of the pressure min. in bar	1 - 6	1 - 6	1,5 - 6	1,5 - 6
Max. operating temperature in °C	30	30	30	30
vertical and horizontal installation			—	—
Dimension b1 in mm	110	164	320	353
Dimension b2 in mm	204	280	436	467
Dimension h1 in mm	358	358	372	372
Abmessung h2 in mm	478	478	520	520
Dimension t in mm	204	204	68	68
Weight in kg	6,3	7,0	7,0	8,4

PT-HWS 25 / 32



PT-FDK 40 / 50

