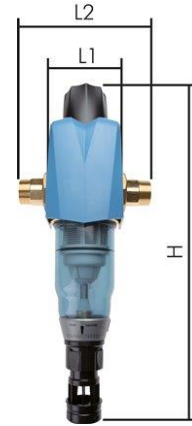


Backwash filters

Without pressure regulator and with pressure regulator



Reference	Connection size, inch	DN	L1	L2	H	Flow, l/min
M27FK	R 3/4	20	100	184	353	50
M27FM	R 1	25	100	184	353	58
M27FN	R 1 1/4	32	100	220	353	66
M27FP	R 1 1/2	40	125	240	500	150
M27FQ	R 2	50	125	260	500	183

M27FR - Filter cartridge for drinking water fine filter 3/4 – 1 1/4 inch

M27FS - Filter cartridge for drinking water fine filter 1 1/2 – 2 inch

M27FT - Filter cup for drinking water fine filter 3/4 – 1 1/4 inch

M27FU - Filter cup for drinking water fine filter 1 1/2 – 2 inch

ENGLISH

Version:

Backwash filter (DVGW component-tested) for the filtration of drinking and process water as well as chemical-free cooling water from once-through cooling systems (no circulating water). Protects the pipelines and the system parts connected to them from malfunctions and corrosion damage caused by foreign particles carried in the water, such as rust particles, chips, sand, hemp, etc. The filter element is cleaned by manual backwashing (flushing out the dirt particles) at regular intervals. The rinsed out dirt and the rinsing water can be discharged via a hose or HT pipe.

Materials:

Body: brass, brass sieve bowl: clear special plastic

Temperature range:

+5°C to +40°C (medium +5°C to +30°C)

Input pressure:

2 to 16 bar

Pore width in the filter:

90 µm

NEDERLANDS

Uitvoering:

Terugspoelfilter (typekeuring door DVGW) voor het filtreren van drink- en proceswater evenals van chemischvrij koelwater voor doorstroomkoelingen (geen circulatiewater). Beschermt pijpleidingen en de daarop aangesloten systeemdelen tegen functionele storingen en corrosieschade door in het water meegevoerde vreemde deeltjes, zoals roestdeeltjes, spanen, zand, hennep etc. Het reinigen van het filterelement geschiedt door periodiek handmatig terug te spoelen (wegspoelen van de vuildeeltjes). Het uitgespoelde vuil en het spoelwater kan via een slang of via een hogetemperatuurleiding worden afgevoerd.

Materialen

Lichaam: Messing, zeeftas: heldere speciale kunststof

Temperatuurbereik:

+5°C tot +40°C (Medium +5°C tot +30°C)

Ingangsdruk:

2 tot 16 bar

Poriebreedte in filter:

90 µm

DEUTSCH

Ausführung:

Rückspülfilter (DVGW bauteilgeprüft) für die Filtration von Trink- und Betriebswasser sowie von chemikalienfreiem Kühlwasser von Durchlaufkühlungen (kein Kreislaufwasser). Schützt die Rohrleitungen und die daran angeschlossenen Systemteile vor Funktionsstörungen und Korrosionsschäden durch im Wasser mitgeführte Fremdpartikel wie Rostteilchen, Späne, Sand, Hanf etc. Die Reinigung des Filterelements erfolgt durch manuelles Rückspülen (Ausspülen der Schmutzpartikel) in regelmäßigen Intervallen. Der ausgespülte Schmutz und das Spülwasser kann über einen Schlauch oder ein HT-Rohr abgeleitet werden.

Werkstoffe:

Körper: Messing, Siebtasse: klarer Spezialkunststoff

Temperaturbereich:

+5°C bis +40°C (Medium +5°C bis +30°C)

Eingangsdruk:

2 - 16 bar

Porenweite im Filter:

90 µm

FRANÇAIS

Modèle :

Filtere de rétro-rinçage (contrôlé par la DVGW) pour la filtration d'eau potable et de service ainsi que d'eau de refroidissement sans produits chimiques de refroidissements de passage (pas d'eau de circulation). Protège les conduites de tuyauterie et les pièces de système qui y sont raccordées des dysfonctionnements et dommages de corrosion par des particules étrangères emportées telles que des particules de rouille, des copeaux, du sable, du chanvre, etc. Le nettoyage de l'élément de filtre est réalisé par rétro-rinçage manuel (évacuation par rinçage des particules de saleté) à des intervalles réguliers. La saleté évacuée par rinçage et l'eau de rinçage peut être dérivée via un flexible ou un tuyau HT.

Matériaux:

Corps: laiton, bol du filtre: matière plastique spéciale claire

Plage de température:

+5°C à +40°C (fluide +5°C à +30°C)

Pression d'entrée:

2 à 16 bar

Diamètre des pores du filtre:

90 µm

Rinse water connection:
13 mm hose screw connection
or HT tube Ø 50 mm

Media:
Drinking and industrial water as
well as chemical-free water for
the most diverse industrial
applications (no circulation
water)

Spoelwateraansluiting:
Slangtuit 13 mm resp. HT-buis Ø
50 mm

Media:
Drinkwater en proceswater en ook
chemicalienvrij water voor de
meest uiteenlopende industriële
toepassingen (geen circulerend
water)

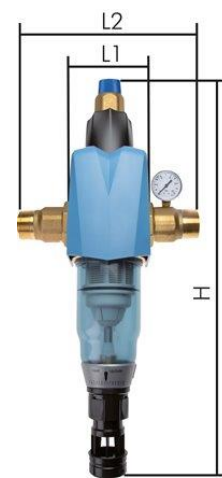
Spülwasseranschluss:
Schlauchtülle 13 mm bzw. HT-Rohr
Ø 50 mm

Medien:
Trinkwasser und Betriebswasser
sowie chemikalienfreies Wasser für
verschiedenste industrielle
Anwendungen (kein
Kreislaufwasser)

Raccord pour eau de rinçage:
Gaines de tuyau 13 mm ou tuyau HT-
Ø 50 mm

Fluides:
Eau potable et d'exploitation, ainsi
que l'eau sans produits chimiques
pour applications industrielles variées
(pas d'eau de circuit)

With pressure regulator



Reference	Connection size, inch	DN	L1	L2	H	Flow, l/min
M27FV	R 3/4	20	100	184	353	50
M27FW	R 1	25	100	184	353	58
M27FX	R 1 1/4	32	100	220	353	66
M27FY	R 1 1/2	40	125	240	500	150
M27FZ	R 2	50	125	260	500	183

M27FR - Filter cartridge for drinking water fine filter 3/4 – 1 1/4 inch

M27FS - Filter cartridge for drinking water fine filter 1 1/2 – 2 inch

M27FT - Filter cup for drinking water fine filter 3/4 – 1 1/4 inch

M27FU - Filter cup for drinking water fine filter 1 1/2 – 2 inch

ENGLISH

Versio:

Combined station for pressure control and filtration (DVGW component-tested) of drinking and process water as well as chemical-free cooling water of once-through cooling systems (no circulating water). Protects the pipelines and the system parts connected to them from malfunctions and corrosion damage caused by foreign particles carried in the water, such as rust particles, chips, sand, hemp, etc. The filter element is cleaned by manual backwashing (flushing out the dirt particles) at regular intervals.

NEDERLANDS

Uitvoering:

Gecombineerde post voor drukregeling en filtratie (typekeuring door DVGW) van drink- en proceswater evenals van chemicalienvrij koelwater voor doorstroomkoelingen (geen circulatiewater). Beschermt pijpleidingen en de daarop aangesloten systeemdelen tegen functionele storingen en corrosieschade door in het water meegevoerde vreemde deeltjes, zoals roestdeeltjes, spanen, zand, hennep etc. Het reinigen van het filterelement geschiedt door periodiek handmatig terug te spoelen (wegspoelen van de

DEUTSCH

Ausführung:

Kombinierte Station zur Druckregelung und Filtration (DVGW bauteilgeprüft) von Trink- und Betriebswasser sowie von chemikalienfreiem Kühlwasser von Durchlaufkühlungen (kein Kreislaufwasser). Schützt die Rohrleitungen und die daran angeschlossenen Systemteile vor Funktionsstörungen und Korrosionsschäden durch im Wasser mitgeführte Fremdpartikel wie Rostteilchen, Späne, Sand, Hanf etc. Die Reinigung des Filterelements erfolgt durch manuelles Rückspülen (Ausspülen der Schmutzpartikel) in regelmäßigen Intervallen. Der

FRANÇAIS

Modèle :

Poste combiné pour la régulation de pression et la filtration (DVGW) d'eau potable et de service ainsi que d'eau de refroidissement sans produits chimiques de refroidissements de passage (pas d'eau de circulation). Protège les conduites de tuyauterie et les pièces de système qui y sont raccordées des dysfonctionnements et dommages de corrosion par des particules étrangères emportées telles que des particules de rouille, des copeaux, du sable, du chanvre, etc. Le nettoyage de l'élément de filtre est réalisé par rétro-rinçage manuel (évacuation par rinçage des particules de saleté) à des intervalles réguliers.

The rinsed out dirt and the rinsing water can be discharged via a hose or HT pipe.

Materials:

Body: brass, sieve bowl: clear special plastic, spring hood: plastic with adjustment scale for setpoint pressure

Temperature range:

+5°C to +40°C (medium +5°C to +30°C)

Input pressure:

2 to 16 bar

Pressure gauge connection:

G 1/4"

Pore width in the filter:

90 µm

Rinse water connection:

13 mm hose screw connection or HT tube Ø 50 mm

Media:

Drinking and industrial water as well as chemical-free water for the most diverse industrial applications (no circulation water)

*with Delta p = 0.2 bar,

**included in the supply volume

vuildeeltjes). Het uitgespoelde vuil en het spoelwater kan via een slang of via een hogetemperatuurleiding worden afgevoerd.

Materialen

Lichaam: Messing, zeeftas: heldere speciale kunststof, veerkap: Kunststof met instelverdeling voor gewenste druk

Temperatuurbereik:

+5°C tot +40°C (Medium +5°C tot +30°C)

Ingangsdruk:

2 tot 16 bar

Manometeraansluiting:

G 1/4"

Poriebreedte in filter:

90 µm

Spoelwateraansluiting:

Slangtuit 13 mm resp. HT-buis Ø 50 mm

Media:

Drinkwater en proceswater en ook chemicalienvrij water voor de meest uiteenlopende industriële toepassingen (geen circulerend water)

*bij Delta p = 0,2 bar, **in

leveromvang inbegrepen

ausgespülte Schmutz und das Spülwasser kann über einen Schlauch oder ein HT-Rohr abgeleitet werden.

Werkstoffe:

Körper: Messing, Siebtasse: klarer Spezialkunststoff, Federhaube: Kunststoff mit Einstellskala für Solldruck

Temperaturbereich:

+5°C bis +40°C (Medium +5°C bis +30°C)

Eingangsdruck:

2 - 16 bar

Manometeranschluss:

G 1/4"

Porenweite im Filter:

90 µm

Spülwasseranschluss:

Schlauchtülle 13 mm bzw. HT-Rohr Ø 50 mm

Medien:

Trinkwasser und Betriebswasser sowie chemikalienfreies Wasser für verschiedenste industrielle Anwendungen (kein Kreislaufwasser)

*bei Delta p = 0,2 bar, **im

Lieferumfang enthalten

La saleté évacuée par rinçage et l'eau de rinçage peut être dérivée via un flexible ou un tuyau HT.

Matériaux:

Corps: laiton, bol du filtre: matière plastique spéciale claire, capot à ressort: matière plastique avec échelle de réglage pour pression de consigne

Plage de température:

+5°C à +40°C (fluide +5°C à +30°C)

Pression d'entrée:

2 à 16 bar

Raccords pour manomètre:

G 1/4"

Diamètre des pores du filtre:

90 µm

Raccord pour eau de rinçage:

Gaines de tuyau 13 mm ou tuyau HT-Ø 50 mm

Fluides:

Eau potable et d'exploitation, ainsi que l'eau sans produits chimiques pour applications industrielles variées (pas d'eau de circuit)

*pour Delta p = 0,2 bar, **compris

dans la livraison

General:

The filters are intended for the filtration of drinking and service water. They protect the water pipes and the connected water-carrying system parts from malfunctions and corrosion damage caused by foreign particles such as rust particles, chips, sand, hemp, etc.

The filters cannot be used for filtration of water > 2 mm in diameter and chemically treated circuit water. When used for filtration of process water and cooling water for continuous cooling, specialist advice is required. For water with coarse dirt particles, a coarse dirt separator must be installed upstream. The filters are not suitable for oils, greases, solvents, soaps, and other lubricating media.

They are also not suitable for separating water-soluble substances.

Attention: The installation of the system or significant changes must be carried out in accordance with the installation and operating instructions of the AVB Wasser V, § 12.2 by the water supply company or by an installation company registered in an installer's register of a water supply company.

The filters must be serviced at regular intervals in accordance with DIN 1988. For hygienic reasons, filters with a replacement element must be changed every six months at the latest or when the pressure drop behind the filter exceeds 0.5 bar. For flush-out and backwash filters, flushing must be carried out at least once a month.

Function:

The untreated water flows into the filter through the untreated water inlet and then through the filter element to the clean water outlet. Foreign particles > 90 µm are retained on the inside of the filter fabric. Depending on their size and weight, these particles fall directly into the lower part of the filter element or adhere to the filter fabric. The filter element must be cleaned by backwashing at regular intervals. During backwashing, the waste water connection is opened by turning the rotary knob, and the backwashing element is rotated. In the process, the particles adhering to the filter fabric are sucked off and rinsed out (squeeze backwash system).

Only for products with pressure regulator:

The pressure reducer keeps the set back pressure approximately constant, even if the inlet pressure fluctuates. An even and not too high pressure protects fittings and devices of the entire domestic water installation.

Installation and operating instructions: 3/4 inch – 1 1/4 inch**Installation requirements:**

Observe local installation regulations, general guidelines, general hygiene conditions, and technical data. The waste water installation must be at least DN 40 for the amount of flushing water. The filter has an HT connection in DN 50.

Attention: The installation location must be frost-proof and avoid disturbing influences (e.g. solvent vapors, heating oil, washing lyes, chemicals of all kinds, UV radiation, and heat sources above 40 °C). Caution: Keep plastic parts free of oil and grease, solvents, and acidic and alkaline cleaners.

After hard knocks and impacts (e.g. with unsuitable tools, falling on stone floors, etc.), a plastic part must be replaced even if there is no visible damage (risk of bursting). Avoid extreme pressure shocks.

Installation:

Install the filter according to the nominal size in equally dimensioned cold water pipes and in front of the objects to be protected. Install shut-off valves upstream and downstream of the filter.

Install the connection module in the horizontal or vertical cold water pipe in the direction of flow (observe the flow direction arrow).

Mount the filter on the connection module with the supplied screws so that the waste water connection points downwards.

Ensure that the seal between the filter and the connection piece is clean.

Lead the flushing water connection to the sewer with an HT pipe so that no backwater occurs or provide a collecting vessel (approx. 10 liters).

Please note: According to DIN 1988, the flushing water hose must be attached at a distance of at least 20 mm from the highest possible waste water level (free outlet).

Commissioning:

Check the filter and rinse water line for proper installation. The shut-off valves must not yet be open. Check the transparent cylinder (3) for correct seating and close the rotary knob (5) clockwise. Open the shut-off valves upstream and downstream of the system, vent the pipeline via the nearest water tap downstream of the system, and discharge the first water that runs off. Open the rotary knob (5) and close it again after approximately 5 liters have drained out. Check the filter for leaks.

With pressure regulator:

The pressure reducer is factory-set to 4 bar back pressure. To change the back pressure, loosen the locking screw (9) and turn the knob (10). The back pressure can be changed by turning the adjusting knob (control range 2-6 bar).

Turning clockwise = higher back pressure.

Counterclockwise = lower rear pressure.

The display for the rear pressure setting value (8) is a guide value. The pressure gauge (6) indicates the pressure precisely. During adjustment, an outlet valve downstream of the pressure reducer must be briefly opened and closed again several times. When water is withdrawn, the back pressure drops temporarily. The back pressure must not exceed 80% of the response pressure of the hot water safety valve (DIN 1988). Install the pressure reducer, observing the flow direction arrow on the housing!

Operation:

A backwash should be carried out when the water pressure decreases due to increasing contamination of the filter element; at the latest, however, every 2 months. As a reminder, the next backwash can be set on the date ring (4).

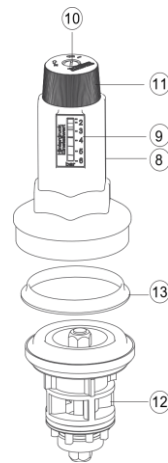
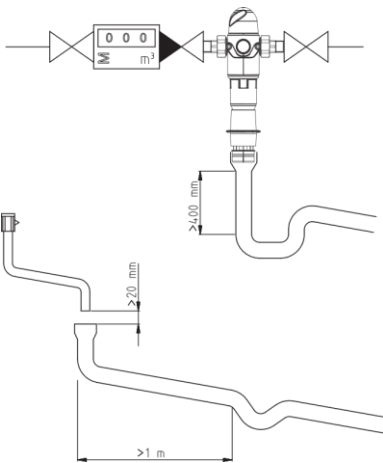
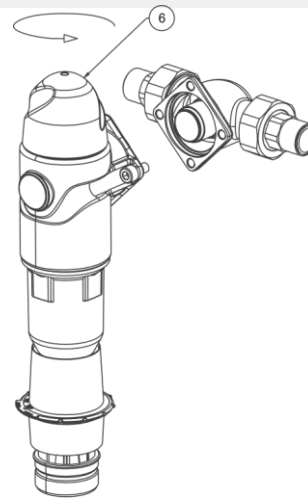
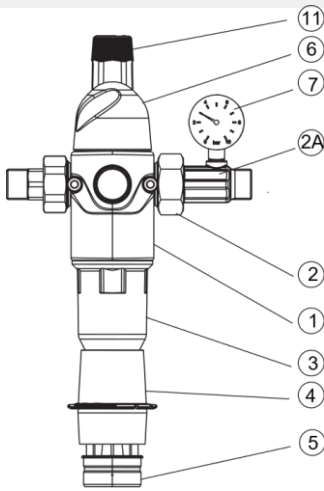
We recommend backwashing once a month to prevent foreign particles from sticking to the filter fabric (possibly more often in case of heavy soiling).

Before backwashing, place a collecting vessel underneath if the flushing water connection is not connected to the sewer connection.

Backwash:

Open the rotary handle (6) counterclockwise until water comes out clearly audible and close it again. Check the filter for leaks. The filter's locking system has a built-in safety device to prevent the locking unit from being damaged by force.

Plastic parts may only be cleaned with a damp, soft cloth. Do not use solvents, detergents, or acid cleaners!



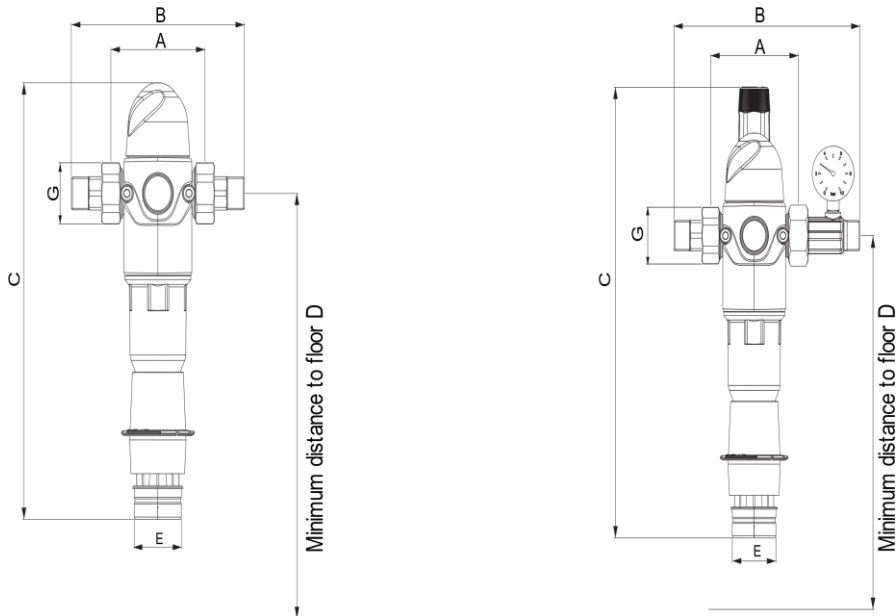
S-BWBQ:

1. Head part made of cast brass
2. Connection module with connection fittings and seals
3. Transparent bowl with filter element
4. Cover with date ring
5. HT connection for flushing water
6. Rotary knob for backwashing

S-TEXV:

1. Head part made of cast brass
2. Connection module with connection fittings and seals
- 2A. Connection module with pressure reducer, connection fitting, and seals
3. Transparent bowl with filter element
4. Cover with date ring
5. HT connection for flushing water
6. Rotary knob for backwash
7. Back pressure gauge
8. Spring cover
9. Display for back pressure setting value
10. Locking screw
11. Knob for pressure reducer
12. Insert for pressure reducer
13. Slide ring

Dimensions 3/4 inch – 1 1/4 inch



Reference	Connection, inch	A	B	C	D	E	G
Without pressure regulator							
M27FK	R 3/4	100	184	353	350	50	1 1/4 inch
M27FM	R 1	100	184	353	350	50	1 1/4 inch
M27FN	R 1 1/4	100	220	353	350	50	1 1/4 inch
With pressure regulator							
M27FV	R 3/4	100	213 (184)	393	350	50	1 1/4 inch
M27FW	R 1	100	213 (184)	393	350	50	1 1/4 inch
M27FX	R 1 1/4	100	255 (220)	393	350	50	1 1/4 inch

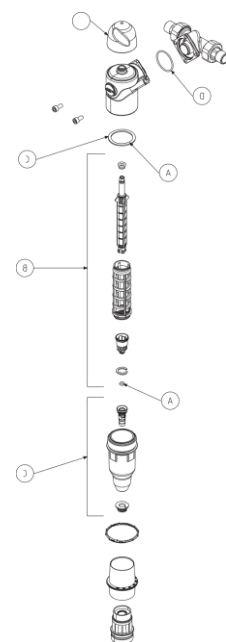
Maintenance 3/4 inch – 1 1/4 inch

Drinking water is a foodstuff. Hygienic care in carrying out the work should, therefore, be a matter of course. According to DIN 1988, maintenance must be carried out by qualified personnel.

Replacement of Wearing Parts:

- Sealing element (A) - every 3 years
- Filter element (B) - every 6 years
- Transparent cylinder (C) - every 15 years
- O-ring (D) - every 15 years

Close the shut-off valves upstream and downstream of the filter and, if necessary, place a collecting vessel underneath. Depressurize the filter (open knob (5) anticlockwise). Unscrew the transparent cylinder (C) by hand and pull it down vertically. Pull the filter element (B) downwards. Replace the seals (A). Slightly moisten all seals before installation. Rinse the filter element with water and check the filter fabric for any damage or replace if necessary. Replace the filter element. Screw the transparent cylinder into the head part and tighten it by hand. Open the stopcocks upstream and downstream of the unit, vent the pipeline via the nearest water tap downstream of the unit, and drain off the first water that runs off. Check all connections for leaks (visual inspection). Carry out backwashing.



Additionally for M27FV - M27FX:
Replacement of Wearing Parts:

Pressure reducer insert (12) - every 6 years
Pressure gauge (7) - every 6 years

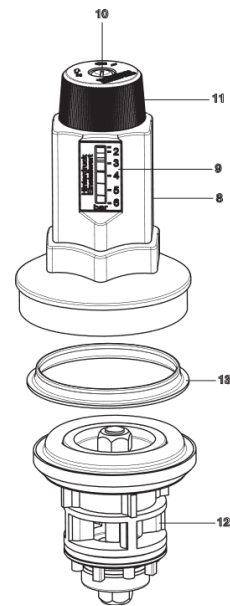
Checking the outlet pressure at zero flow and at high water withdrawal.

Replacing the pressure reducer insert:

Close the shut-off valves upstream and downstream of the domestic water station and depressurize both sides.

Loosen the locking screw (10) and turn the knob (11) anti-clockwise as far as it will go. Unscrew the spring cap (8) with a ring spanner. Pull out the pressure reducer insert (12) and the slide ring (13). Apply silicone grease to the O-rings of the new valve insert and insert the valve insert into the housing, ensuring that the O-rings are correctly seated. Make sure that the O-rings are seated correctly.

Insert the sliding ring, screw in the spring cap and the locking screw. Adjust the pressure reducer as described under Commissioning. Open the stopcocks upstream and downstream of the unit and vent the pipeline via the nearest water tap downstream of the unit and drain off the first water that runs off. Check all connections for leaks (visual inspection).



Installation and operating instructions 1 1/2 inch – 2 inch

Installation Requirements:

Observe local installation regulations, general guidelines, general hygiene conditions, and technical data. The waste water installation must be at least DN 40 for the amount of flushing water. The filter has an HT connection in DN 50.

Caution: The installation location must be frost-proof and avoid disturbing influences (e.g., solvent vapors, heating oil, washing lyes, chemicals of all kinds, UV radiation, and heat sources above 40 °C).

Caution: Keep plastic parts free of oil and grease, solvents, and acidic and alkaline cleaners. After hard knocks and impacts (e.g., with unsuitable tools, falling on stone floors, etc.), a plastic part must be replaced even if there is no visible damage (risk of bursting). Avoid extreme pressure shocks.

Installation:

Install the filter in cold water pipes upstream of the objects to be protected. Always provide shut-off valves. Install the connection piece or pressure reducer in the horizontal or vertical cold water pipe in the direction of flow (observe flow direction arrow).

Screw the filter onto the connection piece or pressure reducer using 4 hexagonal screws and a seal. Make sure that the seal is correctly seated. Tighten the screws crosswise and evenly. Guide the flushing water connection to the sewer in such a way that no backwater occurs.

Please note: According to DIN 1988, the flushing water hose must be attached at a distance of at least 20 mm from the highest possible waste water level (free outlet).

Commissioning:

Check the filter and rinse water line for proper installation.

Caution: Safety stopcock (7) always remains open.

Slowly open the shut-off valves before and after the filter. Vent the pipeline at the next tapping point after the filter. Check the tightness of the installation and the filter. The filter is now ready for operation.

Operation:

A backwash should be carried out when the water pressure decreases due to increasing contamination of the filter element, at the latest, every 2 months. As a reminder, the next backwash can be set on the date ring (5). If there is no sewer connection, a collecting vessel (approx. 10 litres) must be provided.

1. Open the crank (3).
2. Turn the twist grip (2) approx. 4-5 turns anticlockwise.
3. Immediately turn it back as far as it will go. The procedure can be repeated in case of heavy soiling.

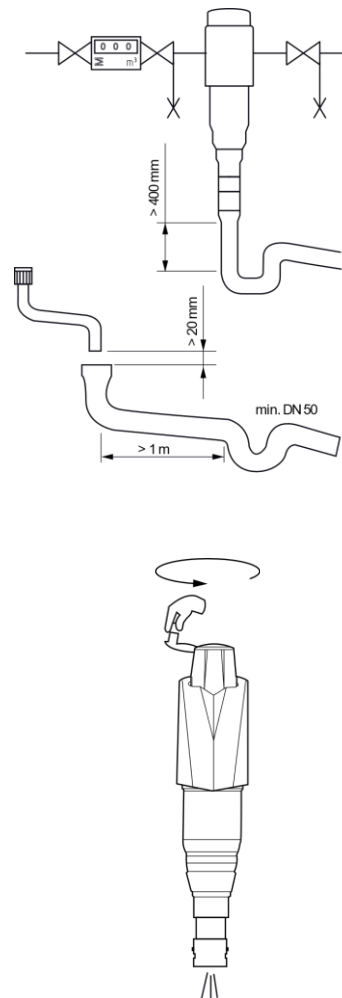
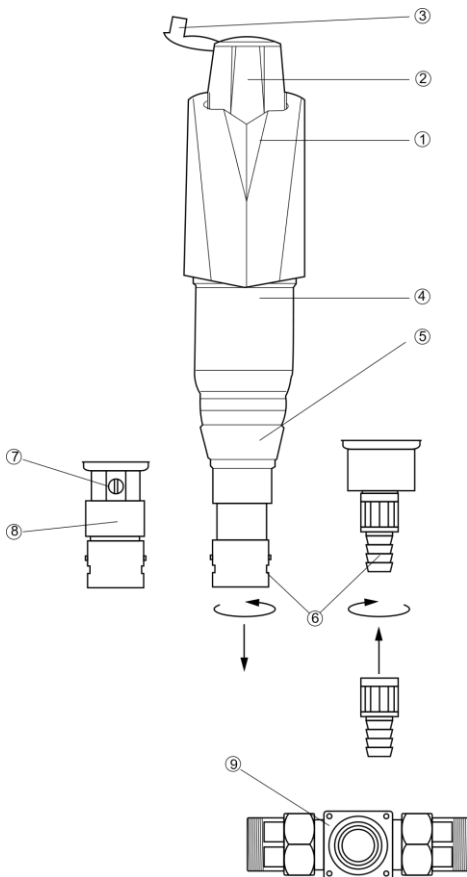
With pressure regulator

The pressure reducer is factory-set to 4 bar back pressure. To change the back pressure, loosen the locking screw (6) and turn the knob (7). The back pressure can be changed by turning the adjusting knob (control range 2-6 bar).

Turning clockwise = higher back pressure.

Counterclockwise = lower rear pressure.

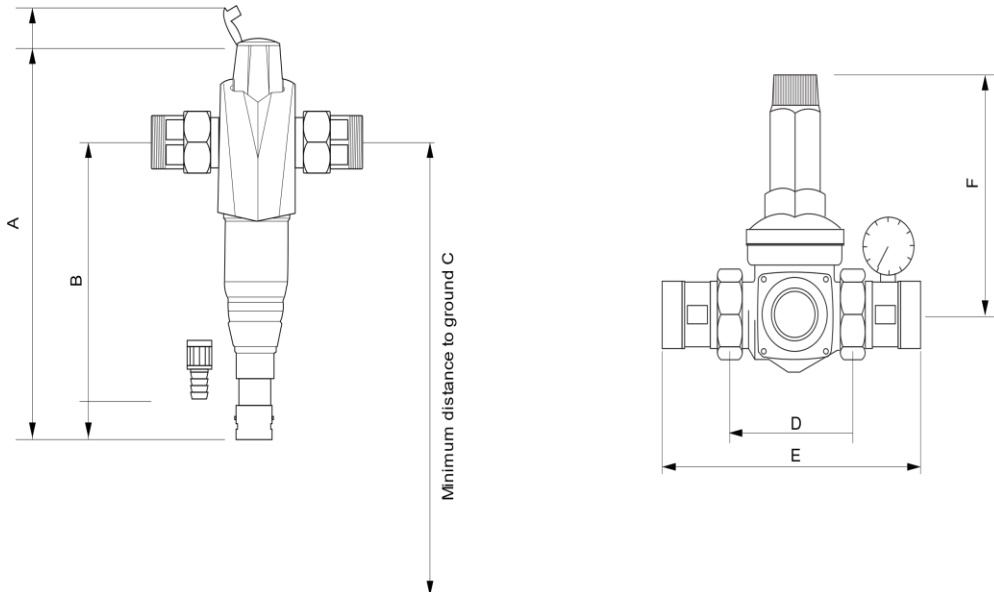
The display for the rear pressure setting value (5) is a guide value. The pressure gauge (3) indicates the pressure precisely. During adjustment, an outlet valve downstream of the pressure reducer must be briefly opened and closed again several times. When water is withdrawn, the back pressure drops temporarily. The back pressure must not exceed 80% of the response pressure of the hot water safety valve (DIN 1988). Install the pressure reducer, observing the flow direction arrow on the housing!



Without pressure regulator

1. Cover bonnet (head part made of brass).
2. Rotary handle.
3. Crank handle.
4. Transparent cylinder with filter element.
5. Date ring.
6. Waste water connection (HT connection or hose nozzle).
7. Safety stopcock.
8. Cover plate.

Dimensions 1 1/2 inch – 2 inch



Reference	Connection, inch	A	B	C	D	E	F
Without pressure regulator							
M27FP	R 1 1/2	500	360	670	125	240	
M27FQ	R 2	500	360	670	125	260	
With pressure regulator							
M27FY	R 1 1/2	500	360	670	125	240	220
M27FZ	R 2	500	360	670	125	260	220

Maintenance 1 1/2 inch – 2 inch

Drinking water is a foodstuff. Hygienic care when carrying out the work should, therefore, be a matter of course. According to DIN 1988, this work must always be carried out by qualified personnel who also replace the wearing parts. The plastic parts may only be cleaned with a damp soft cloth; do not use solvents, detergents, or acid cleaners.

Only for with pressure regulator:

Replacing the wearing parts:

Pressure reducer insert (8) - every 6 years

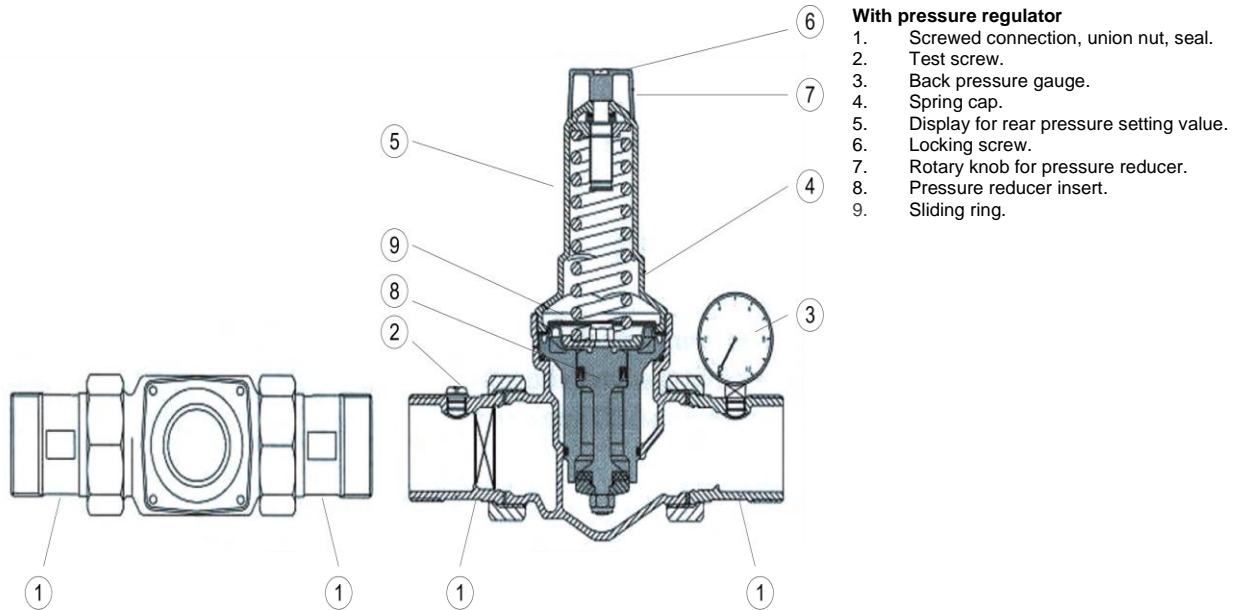
Pressure gauge (3) - every 6 years

Backflow preventer - every 6 years

Check outlet pressure at zero flow and at high water withdrawal.

Replacing the pressure reducer insert:

Close the shut-off valves upstream and downstream of the domestic water station and depressurize both sides. Loosen the locking screw (6) and turn the knob (7) anticlockwise as far as it will go. Unscrew the spring cover (4) with a ring spanner. Pull out DR insert (8) and slide ring (9). Apply silicone grease to the O-rings of the new valve insert and insert the valve insert into the housing, making sure that the O-rings are seated correctly. Insert the sliding ring and screw on the locking screw. Adjust the pressure reducer as described under "Commissioning."



- With pressure regulator**
1. Screwed connection, union nut, seal.
 2. Test screw.
 3. Back pressure gauge.
 4. Spring cap.
 5. Display for rear pressure setting value.
 6. Locking screw.
 7. Rotary knob for pressure reducer.
 8. Pressure reducer insert.
 9. Sliding ring.

Troubleshooting 1 1/2 inch – 2 inch

Malfunction	Cause	Remedy
Water pressure drops sharply on withdrawal (by more than 35% of the resting pressure)	Filter element dirty	Carry out backwashing
Flushing water outlet cannot be closed	Backwash element does not reach the end position due to coarse dirt	Open the rotary handle fully and repeat the backwash several times
Water pressure rises above the set value	Setting or wear of the sealing elements	Readjust the back pressure (see commissioning). If the pressure continues to rise, the valve set must be replaced.
Leaks at the flushing water outlet	Seal defective	Have the seal changed by a specialist company

Operator Duties

You have purchased a durable and service-friendly product. However, every technical system requires regular servicing to maintain its perfect function. A prerequisite for function and warranty is the backwashing of the filter and the visual inspection for leaks by the operator. Additionally, for type With pressure regulator:

Checking the outlet pressure at zero flow and at high water withdrawal every 2 months is required. According to DIN 1988 Part 8 Appendix B, the filter must be backwashed regularly, depending on the operating conditions, but at least every 2 months.

Another prerequisite for function and warranty is the replacement of wearing parts at the prescribed maintenance intervals:

Prescribed Maintenance Intervals

Sealing elements: every 3 years

Filter element: every 6 years

Transparent cylinder: every 8 years

Replacement of Wearing Parts

Pressure reducer insert: every 6 years

Pressure gauge: every 6 years

According to DIN 1988, the replacement of wearing parts must be carried out by qualified personnel.

Standards and legal provisions

The filters were manufactured in compliance with DIN 19632 "Mechanically acting filters and filter combinations in drinking water installations".

When installing and operating the filters, the following must be observed:

- EN 806, Technical Rules for Drinking Water Installations
- DIN 1988, Technical Rules for Drinking Water Installations
- Ordinance on the quality of water intended for human consumption (Drinking Water Ordinance)
- Act on the Regulation of Water Resources (Water Resources Act)
- Act on the Promotion of the Closed Substance Cycle Economy and Ensuring the Environmentally Compatible Disposal of Waste (Closed Substance Cycle and Waste Management Act)