

microlene[®]

Filter Housings

Installation and Warranty Instructions



Please pass these instructions on to the operator of this equipment.

Specifications

Maximum Working Pressure: 10" – 850kPa, 20" – 620kPa

Temperature Rating: Maximum 50°C – Minimum 4°C

System Includes

- Housing
- Mounting bracket and screws
- Housing spanner

Precautions



WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.



CAUTION: Filter must be protected against freezing, which can cause cracking of the filter and water leakage.



CAUTION: If your fluid system is suspected to have high night time pressures or occasional high pressure surges/water hammer (which can be induced by the quick acting valves in equipment such as washing machines and dishwashers) or the pressure is regularly/typically over 100psi / 680kPa - then it is recommended that an anti-hammer device (before/after) or a pressure reducing valve be installed before the filter housing.



CAUTION: The rubber O-ring provides the water-tight seal between the cap and the bottom of the housing. It is important that the O-ring be properly seated in the groove below the threads of the housing or a water leak could occur.



CAUTION: Because of the product's limited service life and to prevent costly repairs or possible water damage, we strongly recommend that the bottom of all plastic housings be replaced every ten years. If the bottom of your housing has been in use for longer than this period, it should be replaced immediately. Date the bottom of any new or replacement housing to indicate the next recommended replacement date.

Special Notes:

- For cold water use only.
- Do not install where system will be exposed to direct sunlight.
- Make certain that installation complies with all state and local laws and regulations.
- The contaminants or other substances removed or reduced by the selected cartridge are not necessarily in your water. Ask your local water municipality for a copy of their water analysis, or have your water tested by a reputable water testing lab.
- After prolonged periods of non-use it is recommended that the system be flushed thoroughly. Let water run for 5–6 minutes before using.
- The filter cartridges used with this system have a limited service life. Changes in taste, odour, and/or flow of the water being filtered indicate that the cartridge should be replaced.
- Some harmless bacteria may attack cellulose media cartridges. If your cartridge seems to disintegrate or develops musty or mouldy odour, switch to a synthetic media cartridge or contact Davey for advice.
- Please read all instructions, specifications, and precautions before installing and using this filter.

Installation:

Housings are easily installed on cold water lines. The water supply should be turned off at the meter or, preferably, a shut off valve installed before (and after is also recommended) the housing inlet to allow for easy installation/replacement of cartridges.

NOTE: When installing your housing allow a minimum of 2" (50mm) clearance below housing bowl to enable filter cartridge changes. The filter housing connections are standard 1/2", 3/4", 1", 1 1/2" connections and can easily be installed on copper, plastic or galvanised pipe by use of the appropriate fittings.



CAUTION: In some countries metal pipework is used as earth. If applicable in your country, housings installed on metal pipelines must have a jumper wire installed from the metal pipe on the inlet to the metal pipe on the outlet. This work must be carried out by suitably qualified person.

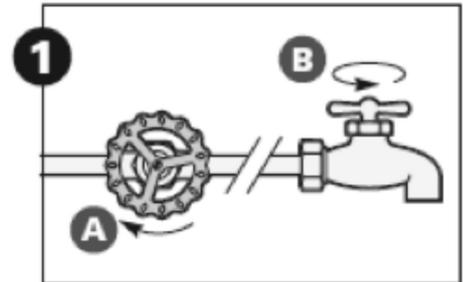


WARNING: Do not over tighten inlet/outlet connections – stripped threads will result.

For installation on galvanised, copper or plastic pipe. Style of fittings may vary from those shown, depending on type and size of pipe.

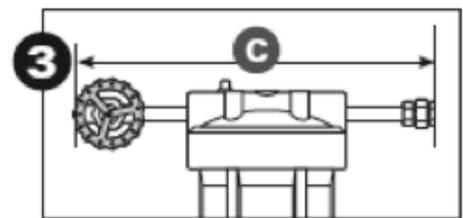
- Use only plumber tape for fitting housing connections.
- Install filter cartridge in filter housing according to the filter cartridge replacement instructions (below) before proceeding with installation.
- Install filter after water meter or pressure tank.
- Numbered diagrams correspond with numbered steps.

1. Turn off cold water supply (A) and open nearest tap (B) to release pressure in pipes before starting installation.



2. Assemble all fittings. Start adapters into cap by hand. Use a wrench to tighten firmly. Do not over-tighten.

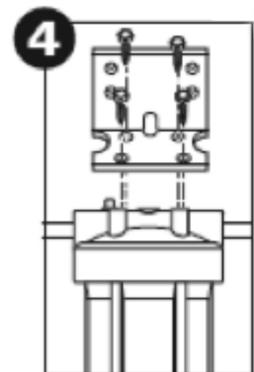
3. Measure length (C) across assembled fittings and subtract 1-inch if you are installing on 3/4-inch pipe, or 1 1/2-inch if you are installing on 1-inch pipe. Mark section of main line pipe to be removed.



Using a pipe cutter or hacksaw, cut pipe and remove marked section (C) and thread ends of the remaining pipe. Wrap threads with plumber tape.

Align filter assembly with ends of pipe, making certain cap opening marked "IN" is facing your incoming water supply. It will be necessary to spread ends of pipe apart to install filter assembly. Using two adjustable wrenches, hold inlet adapter securely with one wrench and tighten with second wrench. Repeat process for outlet adapter.

4. Attach bracket to cap with screws. Attach bracket with cap to wall.

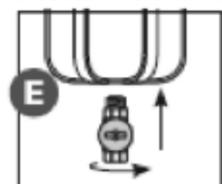
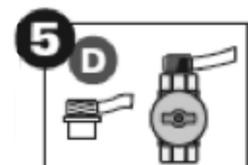


Where drain plug is fitted

5. Install drain plug or ball valve in bottom of housing.

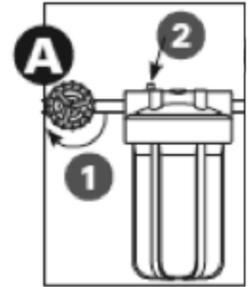
 **CAUTION: Ball valve or drain plug must be installed before turning on the water. Failure to complete this installation will cause water damage.**

(D) Wrap threads of ball valve or drain plug with 3 inches of plumber tape. (E) Thread ball valve or drain plug into threaded opening in bottom of the housing. Hand-tighten, then tighten one full turn with a wrench.



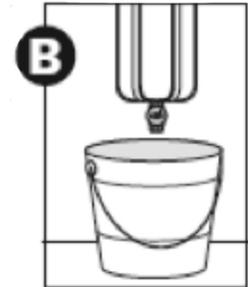
Filter Cartridge Replacement

A. (1) Turn off water supply to filter. (2) Depress red pressure-relief button to release trapped air.

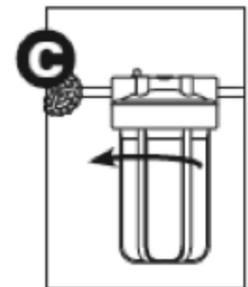


NOTE: If turning off water supply to the filter, this will also turn off water to the rest of the home, be sure to fill a bucket of water first to allow you to clean housing after it has been removed.

B. Place a bucket or container under bottom of housing. Open ball valve on bottom of housing (if fitted) and allow water to drain into bucket or container. For models without drain valves, proceed to the next step.

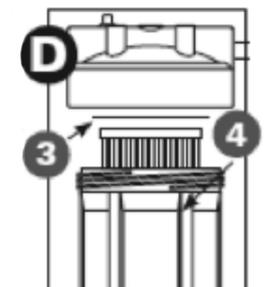


C. Remove bottom of housing by turning clockwise.



D. Locate and remove large O-ring (3), wipe clean of lubricant and set aside.

Discard used cartridge (4). Rinse out bottom of housing and fill 1/3 full with water. Add 2 tablespoons of bleach and scrub cap and bottom of housing with non-abrasive sponge or cloth. Rinse thoroughly.



Lubricate O-ring (3) with clean silicone grease. Insert O-ring back into groove and smooth into place with finger.

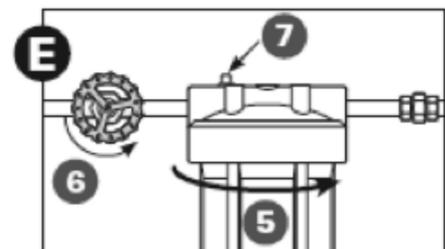


Do not use petroleum jelly or automotive grease as this will damage the housing. Such damage is not covered by warranty.

NOTE: This step is important to ensure proper housing seal. Make sure O-ring is seated level in the groove.

Insert new cartridge (4) over standpipe in bottom of housing.

E. (5) Screw bottom of housing onto the cap and hand-tighten. Do not over-tighten. Make certain cap standpipe slips into cartridge. Close ball valve.



(6) Turn on water supply slowly to allow filter to fill with water. (7) Depress red pressure-relief button (if present) to release trapped air. Flush cartridge for 5 minutes before use. Flush again for 10 minutes before using water. Check for leaks before leaving installation.

Troubleshooting

1. Leak between cap and bottom of filter housing:

- a. Turn off water supply and press the red pressure-relief button. Remove bottom of housing.
- b. Clean O-ring and O-ring groove (located directly beneath threads of housing). Lubricate O-ring with clean silicone grease and replace securely into groove. Screw bottom of housing onto cap and hand-tighten.
Do not over-tighten.
- c. Replace O-ring, should leak persist. O-ring can deteriorate over time and periodic replacement is required.

2. Leak on inlet/outlet connections:

- a. Turn off water supply. For brass fittings, tighten nut snugly about half of a turn with a wrench.
- b. Turn on water supply. If leaks persist, or if there are other leaks on the system, turn off water supply. Contact your nearest Davey Dealer for advice.

Maintenance

Filter housings must be maintained according to manufacturer's instructions, including ongoing replacement of the filter cartridge. Failure to do so will result in poor water pressure and poor filtration results.

Sediment Cartridge Filter Life

Once the housing is properly installed, a reduction in flow/pressure (to such an extent as to cause inconvenience) will indicate when the cartridge is becoming clogged and needs replacing/cleaning. Sediment cartridges should be replaced/cleaned/sanitised when the water flow has been noticeably reduced/or after 3-6 months - whichever comes first (this is for hygiene reasons).

Activated Carbon Cartridge Filter Life

These should be replaced when they no longer remove taste or odour from the water, or when blocked, or after 6 months - whichever comes first (the latter recommendation



NOTE: Actual filtration/purification life of cartridge can vary with the condition of incoming water.



WARNING: DISINFECTION MAY ALSO BE REQUIRED ON UNTREATED WATER SUPPLIES. We recommend SteriFlo Ultraviolet Disinfection Systems.

is for reasons of hygiene - Bacteriostatic cartridges can be used up to a maximum of 12 months).

NOTE: Plated cartridges 10 micron and greater are washable in mild dishwashing detergent. Ensure they are rinsed thoroughly before use. In the event of damage to the material, they must be replaced.

All other cartridge variants are not washable and must be replaced when a drop in pressure occurs or the water taste becomes tainted.

Repair or Replacement Guarantee

In the unlikely event in Australia or New Zealand that this Davey product develops any malfunction within one year of the date of original purchase due to faulty materials or manufacture, Davey will at our option repair or replace it for you free of charge, subject to the conditions below.

Should you experience any difficulties with your product, we suggest in the first instance that you contact the Dealer from which you purchased the product. Alternatively you can phone our Customer Service line on 1300 367 866 in Australia, or 0800 654 333 in New Zealand. On receipt of your claim, we will seek to resolve your difficulties or, if the product is faulty or defective, advise you on how to have your product repaired, obtain a replacement or a refund.

Your Guarantee naturally does not cover normal wear or tear, replacement of product consumables (i.e. mechanical seals, bearings or capacitors), loss or damage resulting from misuse or negligent handling, improper use for which the product was not designed or advertised, failure to properly follow the provided installation and operating instructions, failure to carry out maintenance, corrosive or abrasive water or other liquid, lightning or high voltage spikes, or unauthorised persons attempting repairs. Where applicable, your Davey product must only be connected to the voltage shown on the nameplate.

Your Guarantee does not cover freight or any other costs incurred in making a claim. Please retain your receipt as proof of purchase; you **MUST** provide evidence of the date of original purchase when claiming under the Guarantee.

Davey shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from Microlene products. This limitation does not apply to any liability of Davey for failure to comply with a consumer guarantee applicable to your product under the Australian or New Zealand legislation and does not affect any rights or remedies that may be available to you under the Australian or New Zealand Consumer Legislation.

In Australia, you are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Should your product require repair or service after the guarantee period; contact your nearest Dealer or phone the our Support Centre on the number listed below.

For a complete list of our Dealers visit our website (microlene.com.au) or call:



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* Installation and operating instructions are included with the product when purchased new. They may also be found on our website.



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