

HIP Under-counter drinking water filter

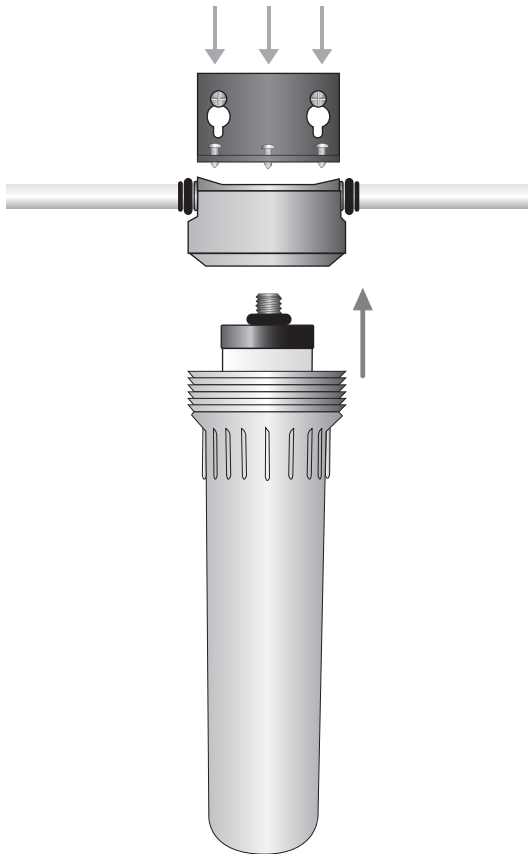
Installation Instructions



Parts & Service Availability

Always use genuine replacement filter elements and components to guarantee the manufacturer's performance claims.

Spare parts and service advice are available from your nearest Doulton® distributor.



Operating Conditions

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|-----------------------------|--------------------------------------|
| Maximum Working Pressure | 100 psig (689kPa) - See note* |
| Maximum Working Temperature | 38°C (100°F) |
| Minimum Operating Pressure | 10 psig (69kPa) |

***Note:** The unit has satisfied the NSF std 53 structural test criteria. However, due to the potential wide variations of pressures from one installation to another the manufacturer advises that if there is any doubt that the system would see pressures above 100 psig (approx. 6.9 bar) then an approved pressure reducing valve set at 100 psig (approx. 6.9 bar) should be installed upstream of the filter to eliminate any extreme variations in pressure.

Water fittings for use in permanently pressurised systems may have a finite life. It is important that the plastic components in the system are replaced after 10 years usage.

Extreme cleanliness is important. Wear rubber gloves or wash hands thoroughly before and after handling the product and take care to ensure that no contamination of the components occurs during assembly and cleaning.

1.0 Installation

1.1 Selecting a position for the Filter

The filter should be fixed to a unit or wall with the screws and bracket provided, near to the incoming water supply and the desired position for the user tap/faucet. Ensure that the connecting tubing will not have any sharp bends in it. For easy servicing of the filter there should be at least 4 inches of clearance below the body of the filter to allow removal of the candle for cleaning or renewal.

1.2 Connecting Pipework and Fittings

The filter head incorporates 3/8" push-fit connections for ease of assembly.

(O/D tubing specification 0.3756" +0.001"/-0.004")

Note: It is assumed for this instruction that flexible tubing is supplied, for an alternative means of plumbing please contact your Doulton® distributor.

An isolation valve and non-return valve should be fitted upstream of the filter (these are required by law in the UK).

1.3 Assembling and Fixing the Filter

Having chosen the position of the water filter, mark the position of the bracket fixing screws on your wall/unit.

Attach the bracket to the filter cap by using 3 self-tapping screws provided.

Attach the bracket and cap to the wall/unit with the 2 bracket fixing screws provided

Cut a suitable length of flexible tube, push one end into the inlet push-fit connection of the filter cap - it should go in to a minimum of 18mm (3/4") ensuring that the arrow on the cap is showing the correct direction of flow.

The other end of the tube is installed into the mains adapter/valve (see additional instructions provided).

Note: This filter is not designed for the treatment of hot water and should only be connected to the cold water supply.

With the remaining length of tube push one end into the outlet push-fit connection in the filter cap. The other end is installed into the tap/faucet connection (see additional instructions provided).

Check the O-ring washer is securely in place on the threaded mount of the filter cartridge and screw the thread into the cap until washer resistance is felt. Do not over-tighten

When the cartridge seal is made, moisten the O-ring on the filter body and replace it onto the location groove. The body can now be screwed to the cap. If there is less than 10" clearance below the base of the filter housing, place the filter body in position over the cartridge before screwing the filter cartridge into the cap. Hand-tighten only

2.0 Conditioning the Filter

The filter system should now be ready for pressurisation. With the tap/faucet in the on position, gradually open the upstream isolation valve until the flow from the tap/faucet has stabilised at the recommended flow rate. Then close the tap/faucet and ensure that there is no water leaking from the system joints

When the system has been confirmed water tight, open the tap/faucet and run the water to waste for a minimum of 10 minutes

Allow the filter to stand for 24 hours to condition the unit to the source water and then flush a further 15 litres of water to waste

After carrying out this procedure, the filter is now ready for use

During use, contaminants filtered from the water may build up on the outer surface of the ceramic filter cartridge and cause a reduction in the flow through the unit. The filter cartridge will, therefore, need cleaning to restore the flow. Cleaning frequency will be dependent upon the condition of the incoming water.

3.0 Servicing the Filter

Cleaning, removal and reinstallation/replacement of the cartridge is carried out as follows:

With the upstream isolation valve off, vent the pressure by opening the user tap/faucet. Place a bowl under the filter body. Unscrew the filter body which will be full of water and lower the body into the bowl. The filter cartridge can now be unscrewed from the cap and cleaned in accordance with the manufacturer's instructions or replaced as described in Section 1.3 When the filter cartridge has been re-installed wipe the filter housing clean with a damp cloth. If a new filter cartridge is installed condition this cartridge for use in accordance with the filter manufacturer's instructions.

Cleaning/Sterilising the Filter Housing: If it is necessary to clean or sterilise the housing, the following substances should be avoided:

- Strong oxidising agents such as bleach or Milton solution
- All strongly acidic materials including some descalents
- Strong alkaline materials

Manufactured by:

Doulton Water Filters, Newcastle, Staffordshire, ST5 9BT, United Kingdom.

Telephone: +44 (0) 1782 664420
Fax: +44 (0) 1782 664490
Email: filtersales@doulton.com
Website: www.doulton.com

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