HIP DUO™ Filter

Installation and Conditioning Instructions

Parts & Service Availability:

Important – Always use genuine Doulton® replacement cartridges and components to guarantee the manufacturer's performance claims.

Contact your local Doulton® distributor for sales, service, replacement parts and for the range of available replacement filter cartridges.

Technical Data:

Maximum working pressure:	100 psig (689kPa) See 1.1
Maximum working temperature:	30°C (86°F)
Minimum working pressure:	20 psig (138kPa)

Installation of Cartridges

(as advised by your distributor depending on your water quality)

Direction of Flow ⟶

A B

2 Stage Filter

A: Pre filter or water treatment cartridge

B: Ceramic filter element

1. Installation

Note - The filter cannot be used for the treatment of hot water and should only be connected to the cold water supply.

1.1 Pressure Information

Due to the potential wide variations of pressures from one installation to another the manufacturer advises that **if there is any concern that the system would see pressures above 100 psig (approx. 6.9bar) then an approved pressure reducing valve bought from a good hardware store and 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.

1.2 Selecting a Position for the Filter

The filter should be fixed inside a unit or to a wall with the screws provided, near to the incoming water supply and the user tap. Make sure that the filter is located so that the connecting pipework does 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 for removal of the cartridge for cleaning or renewal.

1.3 Connecting Pipework & Fittings

The filter is supplied with 3/8" (inch) pushfit connections. Medium density polyethylene tubing is recommended.

Important - Tubing must conform to the following tolerances:

Tubing Dimensions:

Head Type	Nominal	Tolerance +	Tolerance -
3/8"	3/8"	.001"	.004"

An isolation valve and non-return valve should be fitted upstream of the filter (these are required by law in the UK). The isolation valve may be used to regulate the maximum flow rate in accordance with the requirements of the cartridges used.

Having selected the appropriate fittings, a user valve/faucet should be installed in accordance with the manufacturer's instructions in a convenient position and then connected to the filter.

1.4 Assembling & Fixing the Filter

Having chosen a position for the water filter, remove the clip on cover from the top of the filter head to expose the fixing slots and mark the position of the fixing screws onto the wall/unit. Attach the filter head to the wall/unit with the fixing screws provided.

With the water supply isolated connect the upstream and downstream pipework to the filter ensuring that the arrow inside the head is showing the correct direction of flow and that piping/fittings are pushed into the push fittings to a minimum of 18mm (.75") depth.

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Select the filter cartridge options supplied for stages A or B in accordance with your requirements.

Screw the thread of each filter cartridge into the relevant cap inside the filter head until washer resistance is felt – do not over-tighten.

If there is less than 10 inches clearance below the base of the filter housing, place the filter body in position over the cartridge before screwing the cartridge into the cap.

Moisten the O ring on each filter body, check that it is located correctly and then screw the body to the filter head. Hand tighten only.

2. Conditioning the Ceramic Cartridge

The filter system should now be ready for pressurisation. With the user tap in the on position, gradually open the upstream isolation valve until the flow from the tap has stabilised at the recommended flow rate.

Close the user tap and ensure that the system is watertight.

In order to remove any loose particles resulting from the manufacturing process or from cleaning the cartridge, it is recommended that the first supply of filtered water should be run to waste for 10 minutes.

For a new cartridge, the maximum flow rate will be achieved once the ceramic filter cartridge has become fully saturated; to allow the cartridge to be conditioned to the source water, allow the unit to stand unused for a further 24 hours and then run the first 15 litres of water to waste.

The filter is now ready for use

Due to filtration of particulate contaminants from the water during use, the flow of the water from the filter may deteriorate over a period of time. To restore the water flow to its normal level, simply remove, clean and replace the cartridge as follows:

3. Servicing the Filters

It is important to wear rubber gloves or wash your hands thoroughly before and after servicing the filter and cartridges.

Removal, cleaning and reinstallation/replacement of the cartridges is carried out as follows:

With the upstream isolation valve turned off, vent any pressure by opening the user tap.

Place a bowl under the filter body and, using the wrench provided; unscrew the filter body which will be full of water. Lower the body into the bowl.
The cartridges can now be unscrewed from the cap and cleaned in accordance with the distributor's instruction or replaced as described in Section 1.4.

When the cartridge have been re-installed, wipe the filter housing clean with a damp cloth and refill the filter as described in Section 2.

Cleaning/Sterilising the System

To clean the housing wipe externally with a warm damp cloth. The following substances should be avoided:

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

A cartridge that has reached the end of its life would be indicated by a reduction in the taste quality of the filtered water. The cartridge should be replaced in accordance with the rated service capacity, which would typically give a period of six months usage.

Manufactured by:

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