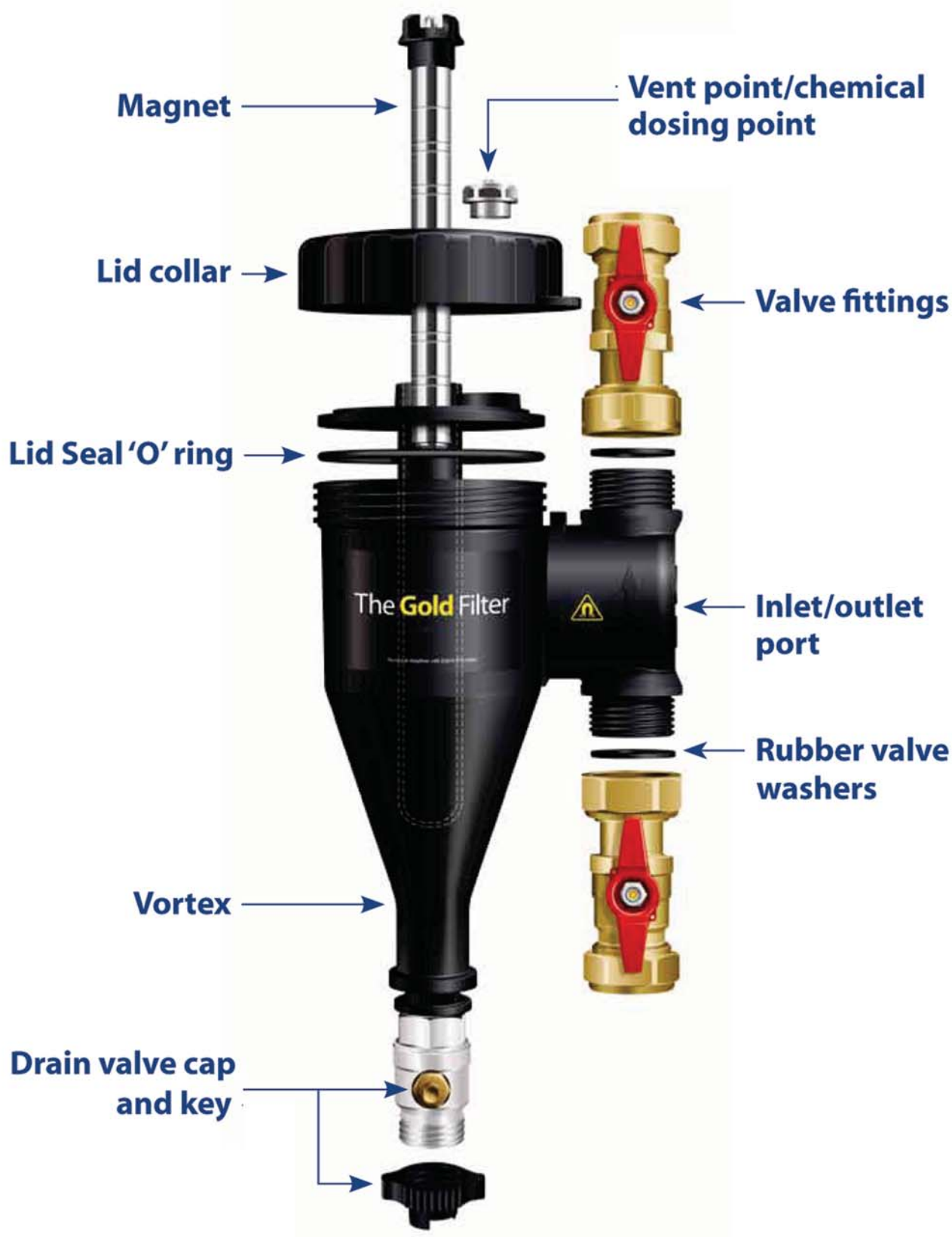


# **The Gold In-line Filter**

## **User & Installation guide**



# The Gold Filter instructions

## Contents

- **Gold Filter**
- 2 x 22 mm Valve fittings (28 mm option available)
- 2 x Rubber valve washers
- 1 x Lid spanner
- Gold Filter Kit comprising 3 x spacers, 3 x 'O' rings and 1 x replacement bleed valve 'O' ring
- Instruction leaflet
- Maintenance and service label

Install the **Gold Filter** in an easily accessible position for servicing ie: the vertical return to the boiler. Allow adequate clearance above the unit to enable the removal of the magnet assembly and draining. The drain valve is factory fitted and cannot be removed or adjusted.

## Installation options

**The Gold Filter comes ready to install into vertical pipe work with the system water flowing upward.**

1. Switch off the boiler and drain the system.
2. Measure and remove the section of pipe work where the **Gold Filter** will be installed. For 22 mm pipe work, remove a 210 mm section (for 28 mm pipe work, remove a 220 mm section).
3. Connect the valve fittings supplied to the pipe work.
4. Connect the **Gold Filter** to the valve fittings ensuring that the rubber valve washers are correctly positioned. The unit should be installed so that the direction of flow within the heating circuit follows the directional arrows found on the inlet/outlet port.
5. Tighten all connections. Special care should be taken not to over-tighten the valve flange nuts that connect to the **Gold Filter** inlet/outlet port.

## Installation in other orientations

1. Loosen the lid collar to allow the inlet/outlet port to be unscrewed from the main body of the unit.
2. Replace the black sealing 'O' ring fitted in the inlet/outlet port with the appropriate 'O' ring provided in the **Gold Filter Kit** and add the relevant spacer between the main body and the inlet/outlet port before re-tightening.



For horizontal pipe work flowing from left to right, add the yellow 'O' ring and black spacer.



For horizontal pipe work flowing from right to left, add the blue 'O' ring and blue spacer.



For vertical pipe work flowing downwards, add the red 'O' ring and red spacer.



3. Re-tighten the lid collar using the **Gold Filter** lid spanner. *Note: The lip of the lid collar must be in-line with the block on the inlet/outlet port. The Gold Filter lid spanner is required to tighten the lid collar fully.*

## Commissioning

- Open both inlet and outlet valves to fill the unit. Vent any entrapped air and check for leaks before switching on the boiler.
- Complete the **Gold Filter** maintenance and service label and apply to the boiler.
- For continual protection inhibitor levels should be checked annually.
- When adding any component to a heating system, it is the installers responsibility to ensure the system continues to comply with BS7671:2008 guidelines/requirements for electrical installations.

## Cleaning the unit

### Option one – fast clean

Cleaning of the unit does not require disassembly.

1. Switch off the boiler and close both inlet and outlet valves on the **Gold Filter**.
2. Remove the magnet from the centre of the lid to allow trapped magnetite to fall into the base of the vortex. Wait for 30 seconds for the magnetite to settle.
3. Remove the drain valve cap and key from the drain valve. Either connect a hose to the drain point on the bottom of the unit using a standard hose tail connector or place a suitable container beneath the unit to collect the discharge.
4. Open the outlet valve.
5. Carefully open the drain valve using the drain valve cap and key to flush contaminants from the unit.
6. Close the drain valve and refit the cover. Replace the magnet and open the inlet valve.

### Option two – manual clean

Cleaning of the unit can be undertaken in-situ.

1. Switch off the boiler and close both inlet and outlet valves on the **Gold Filter**.
2. Release system pressure via the vent point. Unscrew the lid collar and remove the lid and magnet assembly together.
3. Remove the magnet and wipe or rinse off residual magnetite from the sleeve. *Note: This method only cleans the material trapped by the magnet assembly. If required, the remaining contaminants can be discharged via the drain point. Good practice is to replace the lid seal after cleaning via this method. Replacement seal kits are available through all good plumbing merchants.*
4. Place the magnet back in the sleeve and re-assemble the **Gold Filter**.

**The lip of the lid collar must be in-line with the block on the inlet/outlet before switching the boiler back on. The Gold Filter lid spanner will be required to tighten the lid collar fully.**

5. Open both inlet and outlet valves and vent any entrapped air.

**After cleaning always check system pressure and adjust as necessary before operating the boiler.**

## Chemical dosing point

The **Gold Filter** can be used to dose water treatment products into the system.

1. Switch off the boiler and close both inlet and outlet valves.
2. Remove the drain valve cap and key from the drain valve. Either connect a hose to the drain point on the bottom of the unit using a standard hose tail connector or place a suitable container beneath the unit to collect the discharge.
3. After opening the bleed valve to vent the chamber, open the drain valve. Close the drain valve and replace the cap once emptied.
4. Dose the chemical via the vent point either using the screw thread adaptor supplied with all Express or Superconcentrate products, or remove the bleed valve completely and dose 500 ml liquid via a funnel.
5. Replace vent pin and bleed valve, if removed.
6. Open both inlet and outlet valves.
7. Vent any entrapped air and check system pressure before switching on the boiler.



**Caution: Contains strong magnetic fields**

**To prevent frost damage, do not install externally or store in temperatures below zero.**

The **Gold Filter** is an in-line filter, which combines hydrocyclonic action with specially designed magnet assemblies, to remove both magnetic and non-magnetic contaminants from system water and contain them safely within the filter.

### **Hydrocyclonic and magnetic in-line filter**

- Recommended for use with the Gold Boiler range
- Fits vertical and horizontal pipe work
- Cleaned in seconds without removal or disassembly
- All valves and fittings included
- Will not block or restrict flow

Technical Helpline: +44 (0)870 870 0389

Email: [sales@goldfilter.co.uk](mailto:sales@goldfilter.co.uk)

[www.goldfilter.co.uk](http://www.goldfilter.co.uk)