

FILTERLOGIC FORTRESS FILTER CARTRIDGE (2.5LPM)

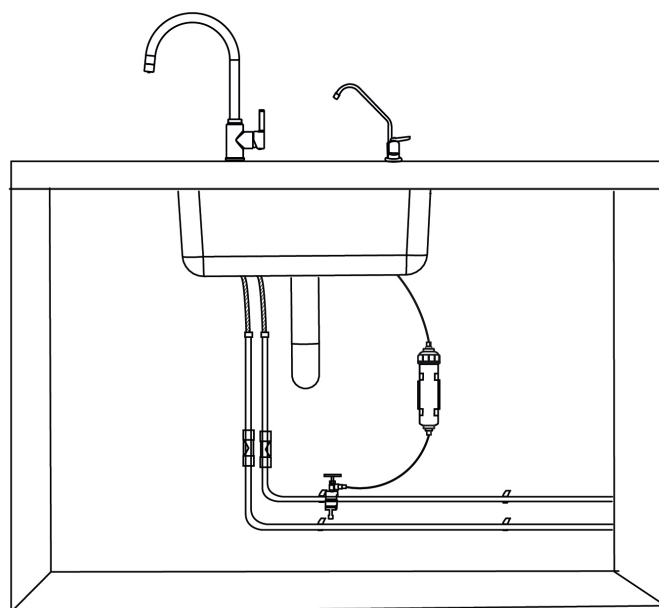
Product Overview

The FilterLogic Fortress system (FLR-10J) has been designed to eliminate the vulnerabilities of conventional cartridges and produce a product which is much more environmentally friendly, this has been achieved in the following ways:

- > The filter housing has been engineered to be extremely strong and greatly reduce the risk of leaks.
- > The system has a replaceable cartridge element - just open the housing and replace the carbon element - so you are disposing 40 times less plastic than conventional cartridges.
- > All plastics in this product are correctly marked and 100% recyclable.
- > The tube connectors are very easy to uncouple and are exceedingly reliable.
- > The cartridge can be mounted at any angle - horizontal or vertical without affecting the performance.
- > High performance coconut carbon block core rivals granular carbon products.

FIGURE 1.

Example of typical installation



Routine Use and Maintenance

To ensure safe operation, the filter cartridge should be replaced every 6 months, or earlier if you develop a persistent reduction in water pressure from the tap, or an unpleasant taste or odour in the water.

- > Flush water through the system for at least 30 seconds when a new cartridge is fitted.
- > Flush off a little water before using the system each time, especially when the system has been static overnight.
- > Store filtered water as you would bottled water; remember it has no chlorine to kill bacteria.
- > If the system will be out of use for some time (e.g. whilst on holiday), turn the water off at the T-bar. On returning, flush the system through for 30 seconds before re-using.

Fixing the Housing Bracket

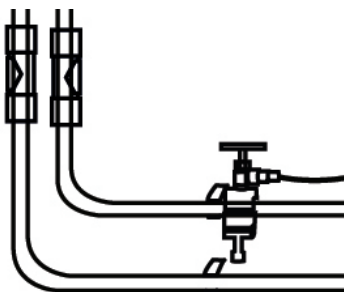
- > When deciding on where to site the filter, you must ensure that enough room is left around the housing for the housing to be unscrewed and the carbon filter insert too be removed.
- > Where possible, try to site the filter in a position that is easily accessible and where the housing can be left in its bracket when changing the carbon filter insert.
- > The filter can be mounted at any angle, horizontal or vertical, without affecting the performance but be aware that if the flexible tubes are stressed in their fittings, a leak may eventually occur.
- > Fix the bracket to the chosen surface (often the back or side of the under-sink cupboard) using the two self tapping screws provided. To aid screws starting off if needed, mark holes with a pencil then drill small pilot holes or use a bradawl.
- > Once the bracket is fixed, put the filter housing into the bracket so that it firmly in place and secure.

Fitting the TF Type Saddle Valve

Please note these instructions cover the fitting of the TF type saddle valve - it is only suitable for 12mm to 15mm copper pipe. Other types of connectors and kits come with separate instructions.

- > Feed the water pressure. Maximum input pressure is 90psi (6 bar).
- > When input pressure regularly exceeds 85psi we recommend fitting a pressure reducing valve prior to the connection point of the water filter system.
- > Identify the cold water supply - ensure it is copper. Select a point on the pipe that is straight, clean off any paint or other coating. The T-bar on the saddle valve should be positioned to allow for easy access.
- > Ensure the piercing pin is fully retracted, then clamp the saddle valve firmly to the pipe - do not over tighten the nut which will shear to prevent crushing the pipe. Screw in the T-bar until it is fully screwed in - the pipe is now pierced.
- > Do NOT unscrew the T-bar until all connections are made.
- > If there is a problem with poor flow, screw the t-bar on the saddle valve fully in, then fully out, do this several times (ensuring the pipe is fully pierced).

FIGURE 2.



Alternative Connectors

If you do not have copper piping, you will not be able to use a saddle valve and will need one of the following connections:

THREAD CONNECTORS

(Like those used on washing machines)

1/2" BSP connector

3/4" BSP connector

PLASTIC PIPING CONNECTOR

1/2" BSP connector



If you would like to order an alternative part, please contact us on +44(0)1507 608100 or email enquiries@filterlogic.co.uk

How to Install the Fortress Filter

- > Ensure that the tube ends have been cut squarely and are free from internal and external burrs. If not, trim the tube back with a Stanley knife, cutting squarely in a rolling motion.
- > Find the plastic bag containing the compression nuts and tube (supplied with this kit. If replacing an existing FilterLogic cartridge where existing fittings can be used.
- > Take one compression nut from the bag and slide it back end first over the INPUT (red) tube.
- > Remove one of the tube inserts from the bag and insert it into the end of the INPUT tube. If you find this difficult, warm the end of the plastic tube by immersing it in hot water. This will soften the plastic to enable easy insertion of the tube.
- > NOTE THE DIRECTION OF THE FLOW SHOWN ON THE CARTRIDGE (INDICATED BY THE ARROW)
- > Keeping the tube in position against the tube stop, use the plastic spanner provided and tighten the compression nut until there is a gap of 1 or 1.5mm between the compression nut and the fitting nut. Do not over tighten.
- > Check your connection by giving the INPUT tube a firm tug. If the tube pulls out, remake the connection and check again. Ensure that you use the small plastic insert that fits in the inner bore of the tube. If the connection fails again, call our technical support team for advice.
- > Repeat the steps above to connect the OUTPUT (blue) tubing.
- > Do not use the filter until a secure connection is made.
- > Don't forget to write the installation date on the cartridge

FIGURE 3.

