



### SYSTEM MAINTENANCE - Replacing the filter cartridge

Pre-prepare one bowl/bucket of soapy warm water, two bowls/buckets of warm water for rinsing, and litre of cold water, for later use.

Turn off the mains water into the filter system, leaving the cold water tap open, and wait for the remaining water in the pipes to exit. Clear a space under the sink around the filter system, placing a bucket/container underneath.

- 1) Press the red pressure relief button on the system head to remove any excess air. Using the supplied spanner carefully remove the bowl from the system. Please note that the bowl is likely to be full with water. Empty the water from the bowl and discard the used filter cartridge.
- 2) Locate and remove the large O-ring from the bowl, wipe clean of lubricant, and set aside. Using a non-abrasive sponge or cloth, clean the housing bowl in the bowl/bucket of soapy warm water. Rinse thoroughly in one of the bowls/buckets of warm water.
- 3) Using the prepared cold water, fill the bottom of the housing bowl 1/3 full with water, adding 5ml

of Milton or similar solution and scrub the inside of the bowl to disinfect. Rinse thoroughly using the remaining bowl/bucket of warm water.

- 4) Lubricate the O-ring with a thin film of clean petroleum jelly (Vaseline), then place back into the bowl groove and press into place. Make certain the O-ring is seated level in the groove or a leak may occur.
- 5) Place the new cartridge into the housing bowl, and thread the bowl back on to the system and tighten by hand only.

**Note:** The AW2 system contains a phosphate insert found in the centre core of the filter cartridge. When installing this cartridge the end with the insert must be positioned at the top of the bowl i.e. the end without the insert is placed into the bowl first.

- 6) Follow the Waterway Installation Instructions from point 9, and check the system for leaks. The system should be flushed for 5 minutes to remove any trapped air, disinfectant and carbon fines, prior to use. See the Operating Parameters for further details.

“ At this point in time, there is simply no better choice for purity and economy than filtered water ”

## Instructions for System Installation

READ THIS DOCUMENT COMPLETELY BEFORE BEGINNING THE INSTALLATION



### OPERATING PARAMETERS

#### Technical information

<b>Cartridge Capacity/Life:</b>	AWF1 - 100,000 litres or 1 year AWF2 - 10,000 litres or 6 months
<b>Flow:</b>	AWF1 - 3.8 litres/minute AWF2 - 3.8 litres/minute
<b>Water Pressure:</b>	Minimum - 20 psi (1.4 bar) Maximum - 125 psi (8.6 bar)
<b>Temperature:</b>	40° F - 100° F (4.4° C - 37.2° C)

**Note:** Activated carbon cartridges will contain a small amount of carbon fines (very fine black powder). A new cartridge, after installation, should firstly be flushed with water for 5 minutes, then left for one hour and flushed again for another 5 minutes to remove the fines before using the water.

**Note:** Following periods of non-use (such as a holiday), the system should be flushed thoroughly. Leave the tap running for approximately 5 minutes before using the water.

*continued overleaf*

## Contact details

### Aqualyze Helpline Contacts

- ☎ 0800 0133 850
- ✉ info@aqualyze.co.uk
- 🌐 www.aqualyze.co.uk

### Aqualyze Documents – available on-line or by request

- Installation Guide
- Application Guide
- Performance Data
- Warranty Documentation

## TOOLS REQUIRED

- Bucket/container & old towels/cloths for spillages
- File
- Pipe cutter
- Safety glasses & gloves
- Screw driver
- Sharp scissors or plastic pipe cutters

## INSTALLATION

Due to this system requiring direct in-line connection to the kitchen cold water pipe, it is strongly recommended that the installation of the Aqualyze Waterway system is carried out by a professional plumber. In order to connect the system, the appropriate stopcock will need locating in order to shut-off the water supply, allowing the pipework to be cut. This system is designed to affix on 15mm copper pipe.

1) The system is designed to fix, with screws, vertically onto a stable surface capable of supporting the weight of the system. The system needs to be located in a suitable position (the preferred location would be under the sink) and close to the copper pipe which supplies the cold water. If the unit is to be located a distance from the copper pipe entry point, extra flexible tubing will be required.



When selecting the position for the system, the following must be considered:-

- There must be enough space beneath the system (minimum clearance of 2") to enable future cartridge changes and maintenance.
- The flow of water through the system head is from left to right (see arrow on the head of the housing). Mains water flows into the inlet and the filtered water flows out of the outlet and back to the copper pipe, which feeds the tap. With this in mind the location of the system must take into consideration the flow of the water and the location of the flexible tubing and its logical connection to the copper piping.

2) A bucket/adequate container should be placed underneath the chosen area of copper pipe, to catch any excess water still left within the pipes.

3) Turn off the mains cold water supply, or the supply to the location where the unit is to be installed. Open the cold water tap to drain excess water, until the flow has ceased. For safety reasons, and a quality finish, a pipe cutter is recommended for making any copper pipe incision. Using the pipe cutter in a slow and careful manner begin to make the first incision into the pipe. Once the pipe has been fully cut, measure a section at least 10" in length (this section will be removed), before making the second incision. Once complete remove this length of pipe.

4) It is important that the copper pipe ends are flat and clean to ensure a good link to the supplied pushfit connectors. Therefore remove, using a small file, any sharp edges or burrs to create a smooth straight finish. Use a damp cloth to clean the ends of any excess dirt or fines.

5) Locate the 2 x pushfit connectors; insert these firmly over the two ends of exposed copper pipe. The connectors must be fully pushed onto the copper pipe to avoid leakage.

6) The Waterway system unthreads into two parts, the head and bowl. Take the bowl and

place the supplied filter cartridge inside. Return the bowl containing the filter cartridge to the head and thread back together, tighten by hand only.

**Note:** The AW2 system contains a phosphate insert found in the centre core of the filter cartridge. When installing this cartridge the end with the insert must be positioned at the top of the bowl i.e. the end of the cartridge without the insert is placed into the bowl first.

7) Having chosen the appropriate position for the Waterway to be mounted (as per point 1), the system, by use of the moulded bracket on the head, can be fixed to the chosen place by using the screws provided.

**Note:** Removing the head from the bowl, and using the head only will ease fixing of the system to the surface. Once the head is fixed to the surface, follow the instructions in point 6 to construct the system into one unit again.

8) Using plastic pipe cutters or sharp scissors, and allowing for some 'slack', prepare to cut the enclosed flexible tubing to the correct lengths. Before cutting the tube, ensure that one piece of tubing from the mains supply will reach the inlet of the system and the second piece of tubing from the system outlet will reach back to the copper pipe, which leads to the tap. Taking the first piece of tubing insert one end into the opening on the push-fit which is connected to the mains supply, push firmly until resistance is felt. Take the other end of the tubing and connect it to the system inlet (the entry hole which the arrow on the system head points away from), push firmly until resistance is felt. Take the second piece of tubing and connect it to the system outlet and then joining it to the remaining push-fit on the copper pipe, which leads to the tap. On all connections, insert the tubing firmly until a definite 'stop' is felt.

**Note:** Any cuts made to tubing during this installation must be square and clean to ensure its connection is maximised and leakage potential minimised.

9) Now that the system is connected, the mains water can be turned back on. Firstly open the cold water tap, this will allow for any trapped air to be purged from the system. Secondly open the stopcock, it is recommended that a bucket/container is underneath the system during this process in case of any leakages. Leave the cold water tap open until all air has been removed from the system, and water is exiting the tap at a constant flow.

10) Check the system completely for any possible leakages, if any are found, turn off the mains water supply until the problem has been resolved. Any new plumbing installation should not be left unattended during its first few hours of service, to ensure preventative measures can be followed should a leak arise.

11) Before using the water, a newly installed system should be flushed. See Operating Parameters.

## SYSTEM GUIDELINES & PRECAUTIONS

**WARNING:** Do not use this system with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

**CAUTION:** The filter must be protected against freezing. Failure to do so will result in the housing cracking and water leakage. Equally this system should not be located near a direct source of heat.

Picture shows simple and secure push-fit connector, joining mains copper piping and system-feed tubing.

