

## The HEALTHY HOUSE Ltd

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# WHOLE HOUSE WATER FILTER SYSTEM

## INSTALLATION AND USER GUIDE

### **\*IMPORTANT\***

We suggest getting quotes from 3 different plumbers and showing them the fitting instructions. Water filters must be fitted according to the manufacturer's instructions. Damage caused by plumbers inexperienced in fitting water filters cannot be covered by our guarantee. If the unit must be returned to our supplier and damage has been caused a charge will be applied. All components are checked before dispatch. Please check them carefully when they arrive. If any components have been damaged in transit, we must be notified immediately.

System includes: Filter housings, wall brackets, 15mm and 22mm brass connectors, spanner, a 2-year parts warranty and filters of your choice.

It is important that anyone installing a water filter system takes time to study this guide as it contains essential information needed to ensure easy installation and trouble-free use.

Follow the instructions and, after installation, your system will produce purified water throughout your home.

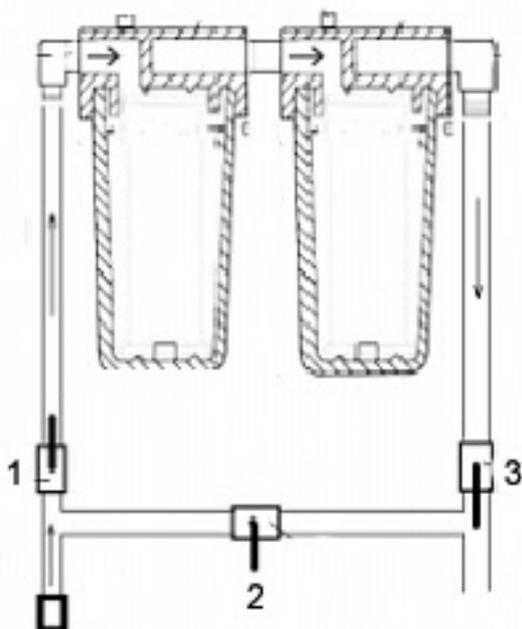
Keep this guide in a safe place. It will enable you to get the best performance from your system now and in the future.

## **Installation Instructions**

### **Planning the installation:**

Bearing in mind the Water Bylaws, check the water pressure, locate the rising main. Allow room for access, maintenance.

### **Positioning the unit:**



Where possible this should be close to the rising main. Take care to allow for untreated water supplies such as the garden tap. Since filters must be changed periodically the location should be easily accessible. The system is suitable for cold water only.

*Do not locate where system (or its connections) will ever be subjected to room temperatures under 0 degrees Celsius or over 50 degrees Celsius*

*Do not install near acid or fumes.*

If you are planning to site above ground level e.g. in a loft the system must be installed within a container of not less than 100litres (25 gallons) capacity. To which there shall be connected an overflow pipe not less than 19mm (3/4").

Where necessary the system and the piping should be lagged to protect from freezing.

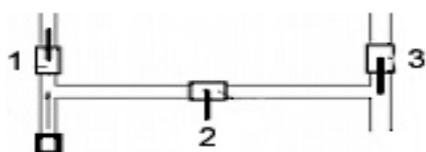
**Please note:** Single units should contain the Carbon Filter. When a double/triple unit is installed the Carbon should be installed in the last housing, and the Pre Filter/Fluoride and or Heavy Metal are situated in the first housings. When using a NanoCeram ensure this is always installed in the last housing.

**Water Pressure:** All Water filters have an effect on flow rates pressures etc. Care must be taken to ensure adequate flow. Minimum required pressure is 18psi. IF DAYTIME PRESSURE EXCEEDS 72.5 psi YOU SHOULD INSTALL A PRESSURE LIMITING VALVE. These are available set to 50psi or 72psi.

**Materials:** If you have lead pipes and filtered water is to pass through them, they should be replaced at the time of system installation. Newer houses are not affected as lead pipes have not been used since 1976. Otherwise try to use the same pipe materials as are already used in the building. The unit may be fitted in copper or flexible hoses.

**Flexible Fitting Kit:** The Flexible Fitting Kit (which can be purchased separately) contains 2 braided steel hoses that do not restrict the flow and allow easier fitment in awkward confined spaces. Care should be taken to avoid kinks.

**Electrical Connections:** None are needed; however, care must be taken to ensure that the earth bonding is kept if the system is being fitted to pipes used for that purpose.



**Plumbing:** A 3-way valve control assembly (Known as bypass valves) can be fitted. The example on the left gives a typical layout for installing in copper tube or hose. These will allow for the unit to be easily isolated for repairs, maintenance etc.

**System installation:** Mount the bracket to the wall remembering to elevate it at least 10cm (4") off the floor and mark the location of mounting holes needed. Drill holes for mounting screws and install screws, mount the bracket by slipping the slots over the screws.

**After Installation:** Turn on inlet valve slowly and check for leaks. CONTINUE TO CHECK FOR LEAKS. If any leaks are present, and you are unsure how to rectify them, contact us for advice.

### Installing or Changing Filter(s)

1. Isolate Water supply to and from unit by closing valves.
- 2.. Release the pressure by un-screwing the vent-valve of the head. Then screw and lightly tighten the vent-value. It may be useful to use a cloth as the process can cause a little spray,
- 3.. Using bowl spanner, unscrew the blue housing (clockwise when looking down from top). Take out and dispose of old filter(s).
4. Check rubber seal is in place in the rim of housing and lubricate with Petroleum Jelly (Vaseline) if necessary.
5. Without replacing the filter, screw up empty housing into the head (anti clockwise looking from the top). Keep unit upright being careful not to cross thread, DO NOT OVER TIGHTEN
6. Open inlet valves, when satisfied there is no leak, open outlet valve.
7. Turn taps on in the house to allow chlorinated water to run through the pipes this ensures the pipes are kept clean.
8. Repeat process from 1 to 4
9. Place new filter into housing ensuring it has its rubber seal in place on both ends.
10. Keep unit upright, screw up the housing into the head (anti clockwise looking from the top). Careful not to cross thread, DO NOT OVERTIGHTEN.
11. Open inlet valves and check for leaks.
12. When satisfied open outlet valve.
13. Wait for the air purge from the vent valve, then screw and tighten the vent valve.

In an emergency the system can be isolated by closing inlet valve and outlet valve and opening the by-pass valve.

## **General Information**

### **1: Useful tips**

With just the minimum of maintenance and attention your high-quality water purification system will give you many years of excellent service. The following tips may be useful:

- a) NEVER install the system where the water can freeze, as this will break the plastic and may damage the seals.
- b) Install the system only on the **COLD-water** line, never on the hot water line.
- c) Check the system regularly for water leaks as these may indicate faulty installation or maintenance.
- d) Always use white petroleum jelly (Vaseline) on the 'O' seals to help lubricate them and enable the housing to be opened more easily.
- e) Read this user guide carefully and keep it - and the set of spares - in a safe place.
- f) For optimum performance clean and replace the filters regularly in accordance with the instructions.

### **2: Fault finding**

If you have any difficulty in installing the system or maintaining the filter you may find the following useful:

#### **2.1: No water**

- a) Check that the main stopcock is open, and that the mains water is still on.
- b) Check the bypass valves are fully open.
- d) Check that all the pipes are connected correctly.
- e) Check direction of water flow.

#### **2.2: Low water flow**

- a) Check that you have removed all the wrapping from a new filter.
- b) Low water pressure. During periods of high water demand the pressure may fall. Running a bath, shower or appliance at same time your water pressure may drop to those appliances.
- c) Check that the bypass valves 1 and 3 are fully opened.
- d) Filter needs replacing.

#### **2.3: Chlorine smell**

- a) Check bypass valve (2) is fully closed.
- b) Check bypass valves (1 & 3) are fully open.
- c) Check sealing washers on the blue housings are in place.
- d) Filter needs replacing.

## **2.4: Water leaks**

In the unlikely event of a fault, small leaks sometimes do occur as a result of incorrect assembly or abuse. The following tips may be helpful:

- a) Depending on the positioning of the system and the temperature of the incoming water and air, condensation on the outside of the filter housing may occur. This does not of course mean that there is a leak in the system. The remedy is to either insulate the area around the system or reposition it.
- b) Always ensure that the 'O' seals and the areas in which they are located are clean. Any small piece of debris on the seal or the surrounding area could cause a small leak. Apply a smear of petroleum jelly to the seal.
- c) Always ensure that the filter housing is screwed fully onto the head. This is essential both for the internal seal and the housing seal.
- d) In the event of a leak carefully examine its source. Water from a leak may run along the pipe work - it may drip, or collect, some distance from the actual position of the leak.
- e) When the leak is found, if it is an 'O' seal first clean the seal and the surrounding area and reassemble with a smear of white petroleum jelly. If this does not solve the problem fit a replacement seal.
- f) Leaks occurring at the elbow joints or centre connection will require the fitting to be removed. Re-apply plenty of PTFE tape (plumbers' white tape) and re-assemble and test.

## **2.5: Sanitising the system**

- a) Place disinfecting tablets/solution in each blue housing without the filter cartridge(s).
- b) Fill the system with water by opening the inlet tap for 10 seconds ignore the colour of the water.
- c) Turn off the water at bypass valve 1 and allow to stand for 20 minutes.
- d) Now run the system for a few minutes to flush.

## **2.6: Going on holiday**

If you go away for a holiday or are away for a few days, it is recommended practise to turn off the household mains water, whether you have a system or not. When you return, run the water through the system for a few minutes so that the water you use is freshly treated.

### **Limited Warranty**

The Healthy House products are warranted for a period of 12 months after purchase to be free from defects in materials and workmanship when properly installed and operated in accordance with our instructions. Our warranty is made to the original retail purchase only, and is in lieu of all other warranties, expressed or implied. There is not an implied warranty of merchantability or fitness for a particular purpose.

What you must do: In the unlikely event of a fault you should notify us immediately. You may have to return the product or part of it at your expense to our head office or to an appointed service centre. Final determination as to whether the products or parts were defective when shipped is at our discretion.

What The Healthy House will do: The limit of The Healthy House obligation pursuant to this warranty is to replace or repair, at our option, defective products or parts, within a reasonable time after determining them to be defective. The Healthy House shall in no event, be liable to anyone for special or consequential damages. Improper installation use or maintenance voids this warranty. This warranty does not cover failure or improper performance or functioning due to deterioration, corrosion, erosion or fouling, or if this product is moved from its original place of installation, or if the product has been subjected to freezing, excessive heat, alteration, use of cleaning agents containing chemicals or abrasives and other such abuse. Cartridge life will depend upon input water quality, pressure and usage rates and is not covered by this warranty. All projections are estimated and are not guaranteed of any level or range of performance or product life. Rubber parts are not guaranteed and should be replaced regularly.

**We keep a record of your purchase. Should you have any problems,  
please contact us immediately**