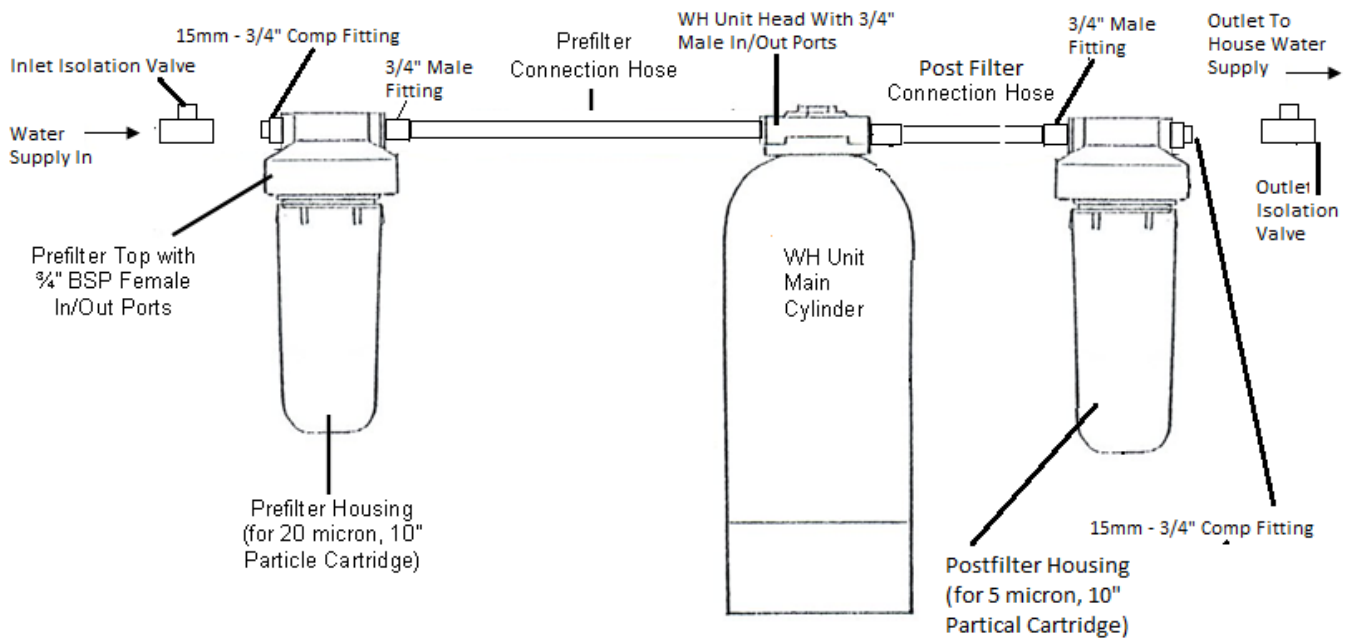


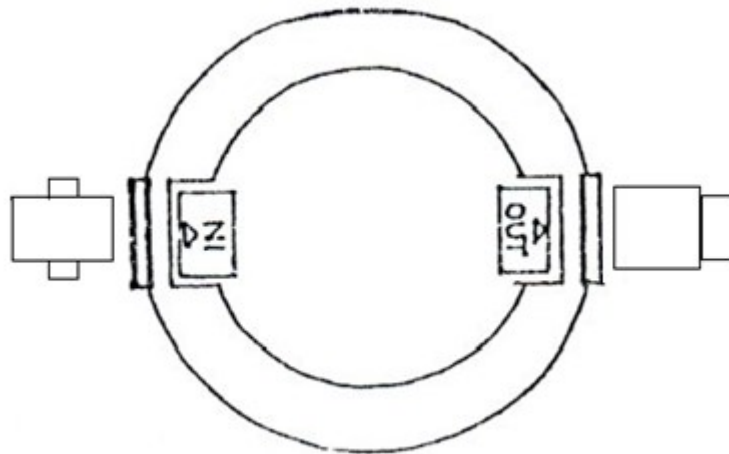
INSTRUCTIONS FOR FITTING AND RECHARGING A WHOLE HOUSE SYSTEM WITH A BP MANIFOLD & PRE AND POST FILTERS

STANDARD INSTALLATION DIAGRAM



IMPORTANT NOTES – PLEASE READ BEFORE INSTALLING

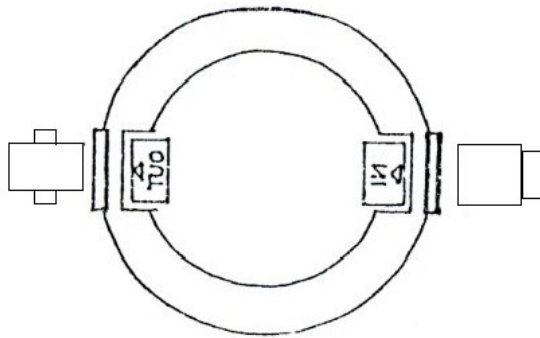
- Silverline Whole House Systems should be connected to the services after the stopcock and in a location protected from frost.
- The unit must be fitted upright.
- Before any work is carried out turn off the mains water supply.
- Installation should be carried out by a registered plumber who can advise of the best location.
- Care should be taken when fitting plumbing fittings to the inlet/outlet threaded ports, of the pre-filter, main unit and post filter heads. Do not over-tighten as they may crack under stress and ensure you do not cross the threads as the ports will be unlikely to seal once damaged. Use only parallel type fittings (do not use tapered).
- Maximum Flow 5 gallons / 23 litres per minute for fully effective filtration.
- Maximum operating pressure 100 psi (approx. 7 bar). If in doubt a pressure protection valve should be fitted (not supplied). Excessive water pressure/peaks can cause leaks and damage to the filter, which may result in loss of media into the water supply.
- Maximum water temperature 50°C.

PREFILTER ASSEMBLY

1. Fix mounting bracket to pre-filter top with the screws provided.
2. Carefully screw a $\frac{3}{4}$ " – 15mm compression fitting to the INLET port and a $\frac{3}{4}$ " double male fitting into the OUTLET port on the pre-filter top.
3. Fix pre-filter assembly to wall approximately level with the head of the main WH filter cylinder, ensuring sufficient clearance below for removal of the housing bowl when changing the cartridge.
4. Unscrew the bowl of the pre-filter housing, insert the 20 micron particle filter cartridge and screw back onto the top taking care not to cross-thread. Tighten firmly with the housing spanner provided, but do not over-tighten.
5. Fit the first isolation valve to the system in-between the stopcock and the 15mm compression fitting on the inlet of the pre-filter
6. Connect one end of the braided stainless steel hose, using 2 fibre washers, to the double male fitting on the outlet port of the pre-filter head.

CONNECTION OF MAIN WH UNIT

1. Stand the main filter cylinder in position and connect the other end of the braided stainless steel hose coming from the outlet of the pre-filter to the INLET of the main filter cylinder ensuring to use another 2 fibre washers, and tighten securely.
2. Connect a suitable hose (not provided) to the side of the main filter cylinder marked OUTLET and run the open end to a drain.
3. Ensure the pre-filter isolation valve is in the OFF position and turn on the mains water supply.
4. Fully open the pre-filter isolation valve to allow the main filter cylinder to fill gently and the air to be released.
5. Allow water to flow through the cylinder to the drain to flush away any carbon fines dislodged during transportation, until the water runs clear. Suggested flushing time 15 minutes.
6. When the water is clear turn off the isolation valve to the pre-filter.

POST FILTER ASSEMBLY

1. Fix mounting bracket to post-filter top with the screws provided.
2. Carefully screw a $\frac{3}{4}$ " – 15mm compression fitting to the OUTLET port and a $\frac{3}{4}$ " double male fitting into the INLET port on the post-filter top.
3. Fix post-filter assembly to wall approximately level with the head of the main WH filter cylinder, ensuring sufficient clearance below for removal of the housing bowl when changing the cartridge.
4. Unscrew the bowl of the post-filter housing, insert the 5 micron particle filter cartridge and screw back onto the top taking care not to cross-thread. Tighten firmly with the housing spanner provided, but do not over-tighten.
5. Disconnect the (temporary) drain hose from the OUTLET of the main filter cylinder.
6. Connect one end of the second braided stainless steel hose to the OUTLET of the main filter cylinder ensuring to use another 2 fibre washers and tighten securely.
7. Connect the other end of the second braided stainless steel hose, again using 2 fibre washers, to the double male fitting on the INLET port on the side of the post-filter.
8. Fit the second isolation valve to the system in-between the supply to the house and the 15mm compression fitting on the outlet of the post-filter

COMMISSIONING:

1. Open the first tap in-line
2. Turn the first isolation valve (in-between the stopcock and the pre-filter) to the "on" position.
3. Turn the second isolation valve (in-between the post-filter and the rest of the house) to the "on" position.
4. Once all the air has been released from the system and the water is coming smoothly from the tap, close the tap to pressurise the system.
5. Check all connections for leaks.
6. Your system is now in service

GENERAL INFORMATION

Product	Model	Reduction Type	Size (Inches)	Through Capacity (Litres)
WHBASIC	WH1MS	S	21 x 7	1,000,000
WHSUPER	WH4MS	S	47 x 9	4,000,000
WHBASIC	WH1MH	H	21 x 7	670,000
WHSUPER	WH4MH	H	47 x 9	2,700,000

REDUCTION TYPES

- Standard (S) - Reduces chemicals, chlorine, herbicides and pesticides and assorted toxins to improve general quality, taste and odour.
- Heavy Metal (H) - Reduces a wider range of contaminants including chemicals, chlorine, herbicides and pesticides and assorted toxins, plus a wide variety of heavy metals (including lead and aluminium). They are also in many cases effective against fluoride and nitrates.

EXPECTED LIFE

For continued effectiveness, the unit should be recharged or exchanged for a new charged cylinder, either when it reaches through capacity specified for the model, or 2 yearly, whichever occurs first.

The particle pre-filter should also be replaced at this time, but should a reduction in flow be noticed it may require checking and/or replacing earlier.

TO RECHARGE STANDARD SYSTEM

1. Turn off water and disconnect main WH unit from the water supply.
2. Unscrew the head (black top) and remove completely leaving the riser tube within the cylinder.
3. Gently empty used media from the cylinder and at the same time carefully remove internal riser tube and diffuser.
4. Wash out cylinder, riser tube, diffuser and cap.
5. Replace riser tube and diffuser upright in the CENTRE of the empty cylinder.
6. Holding riser tube upright and central, pour filter media into the cylinder using a funnel, ensuring none goes into the riser tube.
7. Replace the head on cylinder ensuring the riser tube top fits into the allocated space in the centre of the cap.
8. If a pre-filter is fitted - ensuring the inlet valve is closed, unscrew bowl of the pre-filter housing, place the new 20micron particle cartridge inside and replace bowl onto the top. Tighten firmly with housing spanner but do not over-tighten.
9. If a post filter is fitted repeat step 8 but replace with 5micron particle cartridge.
10. Refit the INLET to the main WH unit but do not connect the outlet.
11. Connect a suitable hose (not provided) to the side marked OUTLET and run the open end to a drain.
12. Turn on water to the filter and flush to drain until the water runs clear of any fines loose from transit. If pre-filter fitted, fully open the pre-filter isolation valve marked 'OUT', then slowly open the pre-filter isolation valve marked 'IN' to allow the main filter cylinder to fill gently and the air to be released, and run through the main unit. Suggested flushing time 15 minutes.
13. Once clear, turn off the water again. Reconnect the OUTLET of the main unit into the water supply or the post filter.
14. Turn on the water to the filter again and check connections for leaks. The unit is now back in service.