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**INSTALLATION NOTES**  
**RO-50MP REVERSE OSMOSIS WATER FILTER**

1. Remove all items from box.
2. Unscrew the filter housings 1 & 2, remove the wrapper from the filter cartridges. While ensuring that the rubber seals are in place, replace the filter bowl and tighten with the filter housing spanner.
3. Next unscrew the filter bowl in stage 3, remove the refillable DI insert. To fill the insert with resin, first remove the wrapper and the lid. Pull out the resin retainer by the pull lever in the centre and then remove the first foam circle only (Do not remove the foam circle at the base of the insert). Fill with DI resin, then replace foam, resin retainer, and lid. Place in housing with lid facing upwards, then refit the filter bowl and tighten with the housing spanner.
4. Disconnect the pipe that is connected to the centre of the reverse osmosis housing lid. Remove the blue clip, hold the white part of the fitting (that the blue clip has kept separated) tight against the main body of the water connection, and AT THE SAME TIME pull out the pipe.
5. Make your connection to the water mains by means of your chosen connection.
6. PLEASE NOTE PIERCING CONNECTIONS SHOULD NOT BE USED WITH PLASTIC PIPES.
7. Connect the water pipe to the mains water connection, and the other end of pipe to the fitting on the right hand side of the vertical housing.
8. DO NOT REMOVE THE RO MEMBRANE FROM THE WRAPPER UNTIL YOU ARE READY TO INSTALL. Remove the reverse osmosis membrane from its wrapper, lubricate the rubber seals lightly with Vaseline (or similar lubricant) and insert into the chamber. The RO Membrane needs to be placed with the two small rubber seals into the bottom of the housing, with the large rubber seal near to the big screw threads. Press firmly into the housing. The membrane should be inserted so that the end is level with the end of the RO Housing.
9. Replace lid and tighten with provided spanner.
10. Connect a pipe to the drain connection, and connect to your sink or washing machine drain.
11. Have a receptacle available to collect water as you are now going to flush the first two filter housings.

12. Turn on the POWER & WATER & then water will run out of the pipe you have removed from the RO Chamber lid. When this water runs clear (no more grey water with particles of carbon in it), turn off the water supply, you may then reconnect the pipe to the RO chamber lid. **It is essential to flush the first two filters as it prevents carbon dust getting on the membrane and potentially blocking it.**
13. Now connect a pipe to the pure water outlet.
14. You may now turn on the water at the mains. The unit will start to produce RO water and then when it passes through the final stage (DI Resin) pure water will be produced.
15. Allow the first 10-15litres to run to waste.
16. You may connect the water output to a float valve if you wish. When the pure water is stopped by the float valve the drain water will also stop.
17. Please be aware that if you need large volumes of pure water you will need to monitor the output TDS and change the DI resin when the TDS increases. Vyair can supply replacement resin in 1 litre, 5 litre or 25L bags upon request.
18. Please change the pre-filters (Stages 1 & 2) approximately every 3 months or after you have produced approximately 2000 litres of pure water. This may depend upon the level of chlorine in your water. It is imperative to ensure that you change your pre-filters on a regular basis so that your membrane is not exposed to chlorine as a result of infrequent filter changes.
19. It is important to ensure that you use only genuine Vyair replacement filters and Reverse Osmosis Membranes supplied by Vyair.
20. Vyair stock all spare parts for this Reverse Osmosis Water Filter.

**If you need any help or advice please call 01507 524576 or email [sales@vyair.com](mailto:sales@vyair.com)**