



What Are the Benefits of This Upgrade?

This kit will allow you to easily upgrade your Reef Pure RO Systems 4 Stage system to a Reef Pure Ro Systems 5 Stage system.

This is done by adding an additional carbon stage to the system. As a 5 Stage System, it will be capable of not only treating higher chlorine levels but chloramines also.

What Do I Need?

This kit includes everything that you will need to successfully upgrade your 4 Stage system to a 5 Stage system.

Please ensure that you have received all of the following parts:

- 1 x 10" x 2.5" Double Ring Filter Housing - Clear
- 1 x Single Filter Housing Bracket
- 1/4" Tubing - 1 Metre - White
- 1 x Granular Activated Carbon Filter 10" x 2.5"

Useful Tools

- RO Tube Cutters or a Utility Knife





Before You Get Started!

Some reconfiguration of the system will be required to upgrade your 4 stage system to a 5 stage system.

If your system is a Reef Pure RO Systems 4 Stage system, then the current flow configuration would be as follows:



Once the upgrade kit has been installed, the flow configuration will need to be as follows:



Upgrade Installation Instructions

We highly recommend downloading and reviewing the flow diagrams available online at reefpurero.com.au/user-manuals-downloads/ before getting started, and to verify the upgrade kit has been plumbed correctly.

1. Begin by disconnecting the tube connecting the RO Membrane Housing cap (Essentials model) or Pressure Gauge (Essentials+ and Premium models) and Carbon Block stage. This tube can be discarded as it will not be long enough to install in the new configuration.
2. Disconnect the end of the tube connecting the Colour Changing DI Resin stage to the RO Membrane Housing from the RO Membrane Housing end only. Take the disconnected end of this tube and attach it to the Carbon Block stage empty connector, disconnected in step one.
3. Connect a new piece of tube from the Membrane Housing Cap/Pressure Gauge to the remaining spare connector on the Colour Changing DI Resin stage. Connect one end first and then mark how much length will be needed. Give yourself an additional 5cm in length, then cut the tube using a utility knife or RO tube cutter, ensuring the cut is square.
4. Disconnect the Yellow Production Water tube from the Colour Changing DI Resin stage and connect it to the OUT side of the new housing received with the upgrade kit.
5. Connect the remaining empty connector on the RO Membrane Housing to the IN side of the new housing using the left over tube from step 3.
6. Remove the DI Resin Cartridge from its housing and install it into the new housing connected in the previous step. This is now the Colour Changing DI Resin stage 5.
7. Remove the Carbon Block cartridge from its current housing and insert it into the housing which previously contained the DI resin cartridge, this now the Carbon Block stage 3.
8. Install the new Granular Activated Carbon cartridge into the previous Carbon Block housing, this is now the Granular Activated Carbon Filter stage 2.
9. Check the order of the cartridges and plumbing follow the below sequence, as per the photo at the bottom of the previous page:
 1. 5 Micron Sediment Filter
 2. Granular Activated Carbon Filter
 3. 5 Micron Carbon Block
 4. RO Membrane
 5. Colour Changing DI Resin



To make better use of the clear housing sump which is now on the Granular Activated Carbon Filter, swap it with the white housing sump on the Sediment Filter. This will allow you to see how dirty the sediment filter has become, making it easier to gauge when it needs replacing.

Before Turning the System Back On...

Check all connections to ensure that all tubing is seated firmly in the push connect fittings. This will ensure that there is no chance of leaks.

Double check that your flow configuration has been changed correctly and now matches the diagram labelled '5 Stage System' beneath the 'Before You Get Started!' section of this user manual

Need Help?

We are always here to help! Please get in touch with us...



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