



What Are the Benefits of This Upgrade?

By adding the PurePro HF-8367 RO Booster Pump Upgrade Kit to your system, you no longer need to worry about a lack of pressure from your homes water supply.

With higher water pressure, your RO/DI system will produce more RO production water with less wastewater and a much lower TDS value on your RO production water, which will also dramatically reduce your DI resin replacement costs.

This upgrade kit provides everything you need to upgrade your system with a booster pump, including a high and low-pressure switch to detect when your water reservoir is full and disable the booster pump accordingly.



SAFETY INFORMATION

WARNING: This product is designed for connection to your homes water supply & mains power. Failure to adhere to the below points could lead to injury, flooding and/or product damage.

- Prior to operation check all connections are secure.
- This product is only suitable for use indoors, in dry environments due to the electrical components incorporated into the system. Use outdoors or in humid environments such as in close proximity to aquarium sumps can cause permanent damage to the system and/or personal injury due to electric shock.
- Inspect all connections, fittings and tubes for cracks, leaks and bulging hourly for the first 6 hours of operation following installation. Inspect every 6 months thereafter and after any system adjustments, replacing as necessary.
- Always turn off the source water connection to this product when not in use to prevent flooding in the event of a leak.
- Connecting this system directly to your aquarium or aquarium sump is not recommended. Doing so may result in the flooding of your aquarium and harm to your aquarium's inhabitants.
- This system is not designed to be connected directly to a float or similar valve within an aquarium sump. These types of valves place excessive pressure on the system and its electronics by causing the system to cycle rapidly between on an off cycles. This can cause permanent damage to the system and the risk of an electrical short.
- It is recommended to install the system in an area with appropriate drainage to avoid flooding in the event of a leak.
- Do not leave this product running and unattended for long periods of time.
- Make sure all electrical connections are up and away from any potential leaks or spills.
- Before making any adjustments to this product, disconnect it from mains power.
- Make sure hands are dry before touching any electrical components.
- In the event of a leak, turn off and disconnect it from mains power before making any adjustments.

What Do I Need?

This kit includes everything that you will need to successfully upgrade your system with an RO Booster Pump. **Please Note:** If you are intending to automate the Booster Pump Upgrade Kit such as with a float valve, an additional check valve is required to be installed at the membrane housing on the production water line.

Useful Tools

- RO Tube Cutters or a Utility Knife



Before You Get Started

You will need to locate an area that you can mount the PurePro HF-8367 RO Booster Pump with bracket assembly. To prevent the effects of vibration created by the pump, it is best to ensure that it is fixed securely to the RO/DI system or a solid surface.

As the booster pump and associated components are electrical devices, they are only suitable for indoor use. Please ensure they are not exposed to liquid or used outdoors.



IMPORTANT: Do not run the booster pump for periods greater than 3 hours. Doing so can cause serious and permanent damage to the pump. Allow a rest period of 1 hour between uses.

Mounting The Booster Pump Upgrade Kit

The booster pump upgrade kit can be mounted either on its own close to the RO/DI system or directly onto the RODI system as pictured. To mount the booster pump upgrade kit to your RO/DI system:

1. Locate the 4 screws securing the sump housing to the RO/DI system bracket. Remove the 2 screws closest to the end of the RO/DI system bracket where you wish to mount the booster pump upgrade kit.
2. Position the booster pump bracket as per the photo so that holes in the booster pump bracket align with the holes which the screws were removed from.
3. Replace the screws to hold the booster pump bracket to the RO/DI system and tighten securely.



Installation Instructions

1. Ideally, the booster pump should be installed between your sediment filter and carbon stage, however, if this is not possible, it can also be installed before the RO system in the feed water line. Installing it between the sediment filter and carbon stage offers some extra protection to your booster pump by ensuring only filtered water passes through it, preventing it from becoming clogged up in future.
2. The Booster Pump assembly has both a low-pressure switch and high-pressure switch, indicated by the labels "LPS" and "HPS".

If connecting the booster pump to your systems feed in water line, connect the feed in water line to the low-pressure switch marked "LPS", then connect the booster pump's output to the RO/DI systems feed in water line.

If installing the booster pump after the sediment filter, connect the sediment filter's output line to the low-pressure switch, and booster pump's output to the carbon stage.

3. Remove the yellow tubes from the high-pressure switch marked "HPS" and install it into the RO/DI systems production water line. The high-pressure switch should be connected after the DI resin stage of the production water line.

IMPORTANT: In order for the Booster Pump Upgrade Kit to operate automatically, such as with a float valve, a check valve must be installed on the production water line from the RO membrane. This ensures pressure to the high pressure switch is not lost back through the system causing the booster pump to re-engage prematurely.

4. To complete the installation, connect the pump to the supplied AC adaptor.


When Turning the System Back On...

Your system should automatically turn off the booster pump if there is insufficient water pressure detected, or if back pressure is detected from a device such as a float valve, used for automation in conjunction with a check valve. Ensure both of these features are checked by turning off the source water connection, and blocking the production water line while the system is running. Both should cause the booster pump to shut off if operating and installed correctly.

Once the pump is running on your system, you will notice a significant increase in water pressure on your system's pressure gauge, typically between 80 psi and 95 psi. Your system will be producing an increased amount of product water and also a lower TDS than before the installation.

Need Help?

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

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