GROWMAX WATER™

Perfect Water for Plants and Gardens

WATER SYSTEMS FOR HYDROPONICS AND GARDENING

POWER GROW 500

Garden Reverse Osmosis system
Up to 500 L/D of Pure Water

- ***ENGLISH***

Don't forget to register your system online
and obtain your **2 year warranty** at:
www.GrowmaxWater.com

verdetop

Gracias por confiar en Verdetop

Más información, fichas y asesoramiento en verdetop.com

www.verdetop.com

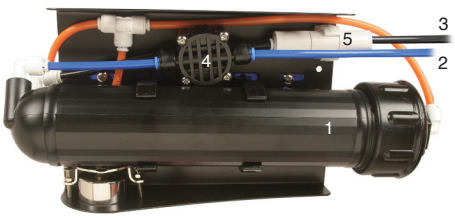
ENGLISH

Description:

The POWER GROW 500 Garden Reverse Osmosis water system is capable of reducing up to 99% of most contaminants. This system is designed for use with hydroponic or garden applications. This system is built to give the maximum amount of flow from the membrane. Please read the following set-up and maintenance guide to get the maximum results from your system.

System Includes:

POWER GROW 500



1. Membrane Housing
2. Purified Water Line (Blue)
3. Waste Water Line (Black)
4. Automatic Shut-off Valve
5. Flow Restrictor

Note:

Do not install the unit where the source/inlet pressure may be more than 80 psi (5 kg/cm2) or there are excessive water hammer/spike problems. If your inlet pressure is more than 80 psi, install a pressure regulator, available at your Grow Max Water dealer or your local hardware store.

Protect unit against freezing.

System Set Up:

1. Main unit
2. Inlet tubing with garden hose connector
3. Sediment filter
4. Green coconut carbon filter
5. Reverse osmosis membrane
6. Pressure gauge
7. Outlet tubing
8. Shut-off valve

Initial Set Up:

1. Push in the 3/8" white inlet tubing into the 3/8” fitting on the filter housing on the right side of the system.
2. Connect the 1/4” blue purified water tubing to the outlet of the Automatic Shut-off valve.
3. Connect the 1/4” black waste water tubing to the outlet of the flow restrictor.

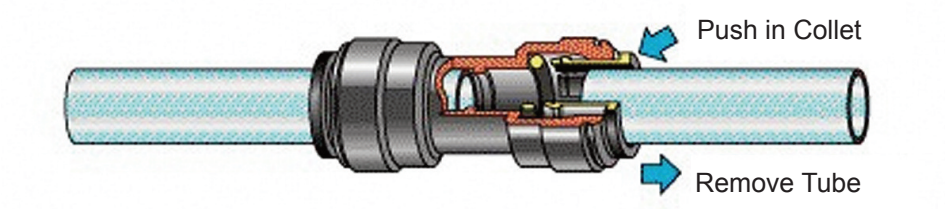
You are now ready to connect the included garden hose adaptor to your source water on the other end of the 3/8” inlet tubing.

Upon initial start up of system, slowly turn the source water on until both the carbon and sediment filters have water in the housings. Next, open source water up all the way (do not exceed 80 psi). Flush the system for 15 minutes when the system is new and/or when you replace your membrane.

Note:

It may take up to 24 hours of running the system for the PPM & pH of the purified water to stabilize.

How to Connect and Disconnect Tubing to Quick Connect Fittings:



Push tube firmly into the fitting connector all the way to until the tube stops. Try to pull the tube out to check the security. If the tube pulls out, then push all the way in again.

To disconnect the tubing. First make sure the system is de-pressurized by turning off inlet water. Push in the "collet" that holds the tube into the fitting connector. While pushing in the collet you can now simply pull out the tubing.

Important Information & Performance Parameters:

The flow of purified water is determined by the GPD rating of the membrane, inlet pressure, inlet temperature, and inlet PPM. The Power Grow Reverse Osmosis system has the capacity to produce up to 150 gpd (500 liters per day). The parameters for optimum operation are: Water temperature 25ºC, Inlet water pressure 3 to 5 kg/cm2 and water quality of 550 ppm or less.

You will notice in colder areas or in the winter, when water temperatures are lower, that the flow rate will be slower. If your inlet pressure is less than 60 psi, you may experience less than the rated 150 GPD flow rate. A minimum of 40 psi is required to properly operate the system. The higher the inlet pressure, the better the flow. A booster pump kit is available as an option in case of low pressure and is necessary if your pressure is below 40 psi.

The RO membranes included with the filter can handle water up to 1000 PPM and with a hardness of 170 PPM or 20º hf of hardness. Note that this is considered both very contaminated and very hard water and may shorten the life of your membrane.

Note:

The first minute of RO water produced are higher in PPM than after the system has run a few minutes.

Filter Changes & Recommended Maintenance:

REPLACEMENT SCHEDULE:
150 GPD membrane element - 6 Months to 2 years.
Carbon Filter 10 x 2.5" - Change every 4 -6 months or as needed.
Sediment Filter 10" x 2.5" - Change every 4 -6 months or as needed.

Watch our Videos on www.GrowmaxWater.com

- How to change the RO Membrane
- How to change the filters
- How to use the quick fittings

Replacements:

Replacements are available at your Growmax Water dealer or at:
www.GrowmaxWater.com

POWER GROW 500 Replacement Parts

GMWSED10 | GMWCARB10 | GMWMEMB150

Optional Accessories:

UV Sterilizer Kit

Kills 100% of all bacteria and viruses. Ensures the safest water.

Float Valve Kit

Fill any tank or reservoir unattended.

Booster Pump Kit

Recommended for low inlet pressure under 40 PSI (3kg/cm^2). Boosts pressure to 60+ PSI (4kg/cm^2). Easy connection.

De-Ionization Kit

This de-ionization filter is designed to serve as a post-polishing stage for any Reverse Osmosis system delivering ultra pure 000 PPM water.

Warranty:

A one year warranty comes with each system and protects against manufacturer defects on all components. The warranty does not include obstructed filters due to lack of regular maintenance of due to excessive sediment, chlorine, iron, silica, manganese, or sulphur in your water. The warranty also does not include damage to the unit from use outside of normal grow and garden installation parameters.

Please see below how to ADD an EXTRA ONE YEAR to your WARRANTY.

Technical Support and Contact: ENGLISH ONLY.

If you have a particular application or setup question, please contact Growmax Water IN ENGLISH ONLY direct at:

support@growmaxwater.com

*Register your product online to obtain your 2 YEAR product warranty!

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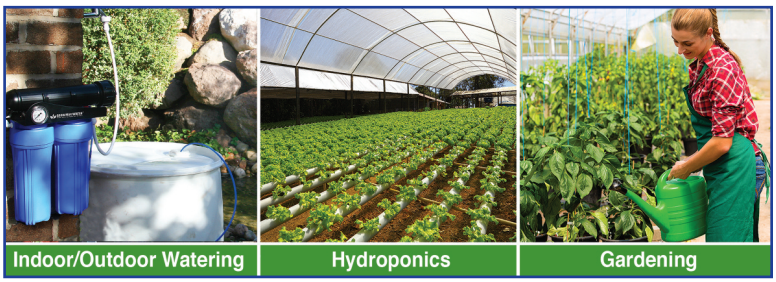

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