



Adjustable Booster Pump

Installation Manual



Customer Support **1-800-992-8876**





Adjustable Booster Pump

Overall System Connections

Get the most out of your Reverse Osmosis System with an Adjustable Water Booster Pump. The Adjustable Pump is fully compatible with any system capacity between 50 and 100 gallons per day. Boosting your pressure to 80 psi means more efficient filtration which increases the life span of your filters, catches more contaminants, and produces water faster.

The system includes 10ft of 1/4" quick connect tubing and a T-fitting to connect to your water tank. The system is complete with a one year warranty and free lifetime customer support.



Conditions

READ THIS FIRST

Please pay attention to the following installation and safety recommendations:

- Read the installation manual before installing this system.

NOTE! Please make sure your installation location has enough room for the Adjustable Booster Pump

Incoming Water

If your water pressure is above 80 PSI you should not install this Booster Pump.

Test your water pressure occasionally to make sure the system is performing and your water pressure is in a safe range. If your water is microbiologically unsafe or of unknown quality do not use this system without adequate disinfection before or after the system. Extremely hot or cold incoming water will damage the pump and cannot be used.

Leaks

Inspect all connections after the installation to make sure no leaks occur, wait until after the pump is pressurized (turned on) to inspect again. Check the pump occasionally after installation or maintenance to make sure no leaks have developed. Install the pump in a location with adequate drainage.

General

This Booster Pump is for climate controlled indoor use only. Exposure to overly high or low temperature ranges will damage the unit. Follow all of your state and local laws and codes regarding plumbing even if they differ from what is stated in this manual. If your state law requires it or you prefer to we recommend using a professional licensed installer or plumber who meets the requirements of this system. The lifetime of your components are subject to change with the quality of the water supplied.

Specifications

Size: 7.5" x 11.5" x 6"

Connection: 1/4" Quick Connect

Power: input 110 v, output 29 v, 1.2 amp

Output Capacity: 50-100 GPD

Temperature: 40-100 GPD

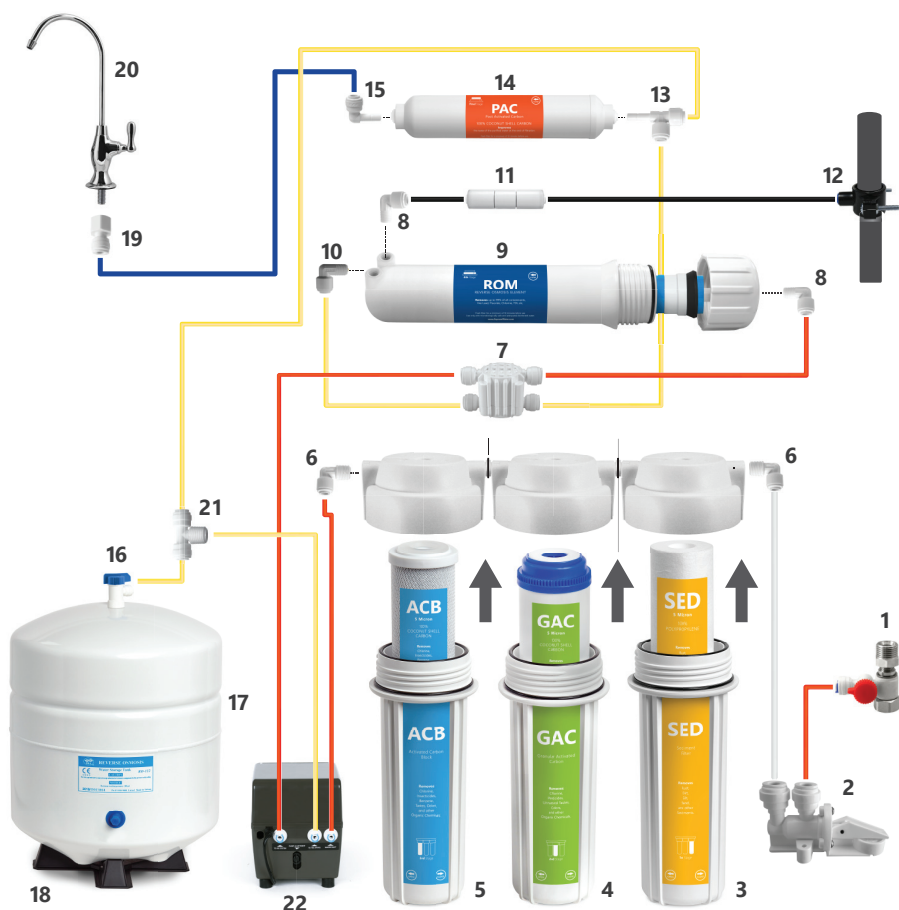
Max Flow: 48 GPM

Components: 1/4" Quick connect T Fitting, 10ft of 1/4" Quick connect Tubing

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System Diagram



1. Adapter Valve
2. Leak Stopper
3. Sediment Water Filter
4. GAC Carbon Filter
5. Carbon Block Filter
6. Male Elbow 1/4"
7. Automatic Shut-Off Valve

8. Male Elbow 1/8"
9. RO Membrane Housing
10. Check Valve
11. Drain Flow Restrictor
12. Drain Saddle
13. Stem Tee
14. Inline Carbon Post Filter

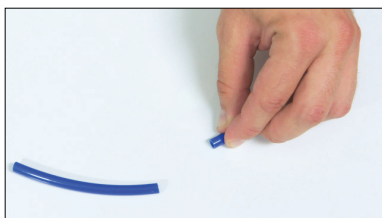
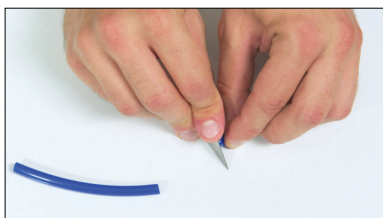
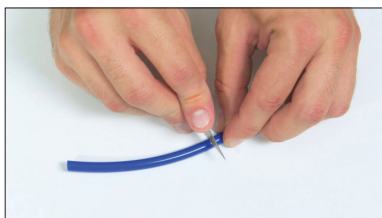
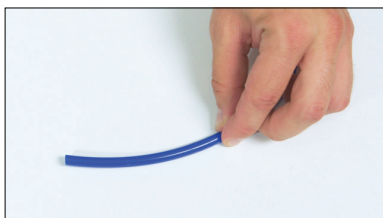
15. Stem Elbow
16. Tank Valve
17. Water Tank
18. Tank Stand
19. QC Faucet Connector
20. Faucet
21. Branch Tee
22. Booster Pump

RO System, tank and connections are not included.

Installation Instructions

NOTE! You will need to refer to the System Diagram throughout the installation

1. Turn the Feed Water Adapter Valve's red knob to the closed position [**#1 on diagram**] The red arrow of the Adapter Valve should point away from the tube for the closed position
2. "Close" the Tank Valve [**#16 on diagram**]
The blue arrow of the Tank Valve should point away from the tube for the closed position
3. Drain excess water and pressure from the system by turning "ON" the RO Faucet [**#20 on diagram**]
4. When the water stops dripping from the RO Faucet, turn "OFF" the faucet [**#20 on diagram**]
5. Prepare adequate space for the Booster Pump in your installation area. The Booster Pump will need to be placed on the floor with all 4-rubber stands on the ground for proper placement.
6. Cut the tubing going to the Tank Valve [**#16**] and install the Union Tee [**#21**] on each of the ends as shown in the diagram



7. Cut the 1/4" White Tubing provided to the length required for connections.
These three connections will be to
 - To the Elbow [**#6**] on the ACB [**#5**] (3rd Filter Housing)
 - To the Automatic Shut Off Valve [**#7**]
 - To the Union Tee [**#21**]

Locking Clip Removal



8. Before connecting any tubing make sure to remove Blue Locking Clips on the Fittings

9. Use tubing to connect the Elbow [#6] on the ACB Filter [#5], to the Booster Pump connection marked "Water Inlet".

10. Connect tubing from the **IN** connection of the Automatic Shut Off Valve [#7] to the Booster Pump connection marked "To RO System".

11. Use Tubing to connect the Booster Pump connection marked "To Tee (Tank)" to the Union Tee [#21].

12. Check that ALL connections match the diagram and ALL tubing connections are fully inserted and secured with the Blue Locking Clips provided.

14. Put the Feed Water Adapter Valve [#1] and Tank Valve [#16] in the "OPEN" position and monitor the system for leaks as it fills with water for 5-10 minutes. If you find any leaks turn the valves to the "CLOSED" position and make sure your connections are secure. Once all connections are secure plug the Booster Pump into a power outlet.

15. The recommended pressure setting is 70-80 psi, do not exceed 80 psi. To adjust pressure, use a **Flathead Screwdriver** to turn the "Pump Adjustment" knob below the tubing connections on the Booster Pump.

Turn Clockwise to increase the pressure setting

Turn Counterclockwise to decrease the pressure setting



NOTE! When the Tank reaches full capacity, the Booster Pump will automatically shut off and default to the original incoming water pressure.

1 Year Limited Warranty



We Cover

This warranty covers any defects in the parts or manufacturing of your Express Water Adjustable Booster Pump. We will give you new replacement parts in exchange for any defective parts.

What to Do

Give us a call at 1-800-992-8876 or send an email to support@expresswater.com and describe the problem to our support. Be sure to have a copy of your purchase confirmation email or receipt. Our support will verify that the product and problem are under warranty and help you arrange to send your defective part back to Express Water with your receipt and contact information (name, address, phone number, email address).

Support will help arrange sending of the defective part, the delivery of your replacement part, as well as guiding you through the installation.

Time Covered

This warranty is effective for 1 full year from the date of original purchase.

Not Covered

This warranty does not cover labor for removal or installation, accumulation of dirt or grime (you are responsible for your own cleaning), systems with the serial number removed or altered, damage from improper storage (high or low temperature, sun damage, etc), damage from a system not installed as instructions directed, anyone other than original purchaser, damage from system abuse or unintended operation of system, acts of God, improper water source, modification, negligence, commercial use of the system, incidental damages from system failure, systems used with parts not provided by Express Water (including tanks, filters, faucets, pumps, diverter valves), or cosmetic damages.

Your State

Some states have further regulation on damages and warranty coverage. You may have other rights depending on your state.

For warranty questions, service, or help give us a call **Monday - Friday 10 am to 5 pm PST: 1-800-992-8876**

Email us:
support@expresswater.com

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Purely Simple, Simply Pure.