

# GROWONIX

TUNED FOR GROWING



## BP-1530 BOOSTER PUMP OWNERS MANUAL

[WWW.GROWONIX.COM](http://WWW.GROWONIX.COM)



Built in the U.S.A.

# FEATURES

- INCREASES PURE WATER PRODUCTION FOR ALL RO SYSTEMS 600 GPD AND UNDER.
- RAISES THE INPUT PRESSURE TO 80PSI.
- CAN SIPHON FROM A RAIN BARREL OR TANK AND PRODUCE THE FULL PUMP PRESSURE.
- NEEDS ZERO PSI OF INCOMING WATER PRESSURE TO PRODUCE THE FULL FLOW RATE.
- HIGH PRESSURE CUTOFF—AUTOMATICALLY SHUTS THE PUMP OFF WHEN USED WITH A SOLENOID VALVE, BALL VALVE, FLOAT VALVE, OR WATERING WAND ETC...



## WHY USE A GROWONIX BP-1530?

- To raise the water pressure on a water filter.
- To supply a misting system.
- To raise the pressure on any water appliance that flows up to 1 GPM @ 80psi.
- To bilge out water from a tank or reservoir.
- To supply a faucet, shower, or hose bib (MAX 1GPM).

**CONNECT MULTIPLE IN PARALLEL AND DOUBLE THE FLOW RATE!**

Part #	In / Out	Voltage	Amps	Flow Rate	High Pressure Cutoff	Duty Cycle	FITS
BP-1530	3/8" tube	120 VAC	2	1 GPM	Yes	Intermittent	All systems 600 GPD & under

# BASIC INFORMATION

**READ ENTIRE MANUAL THOROUGHLY  
BEFORE INSTALLING THIS HIGH PRESSURE-BOOSTING PUMP.**

## ABOUT

- The BP-1530 Booster Pump is designed for use with all GrowoniX water filters 600 GPD and under.
- The pump is designed to boost low water pressure to optimal pressure.
- Do not exceed 79 psi output pressure.

## CAUTIONS

- The pump is equipped with an adjustable bypass valve which controls the maximum operating pressure. In addition, never subject the pump to pressures above 80 PSI.
- Never operate the pump in a harsh environment or hazardous atmosphere, since motor brush and switch may cause electrical arcing.
- Pumphead materials are designed for use with water only. Do not use with petroleum products.
- Always consider electrical shock hazard when working with and handling electrical equipment. If uncertain, consult an Electrician. Electrical wiring should only be done by a qualified Electrician per Local and State Electrical Codes.

## MOUNTING

- The pump should be mounted in a dry place and away from any source of heat. If an enclosure is used, special provisions for cooling the motor may be necessary. Consult the Factory.
- Do not subject the pump to extreme high or low (freezing) temperatures while in operation. (Operating ambient temperature range is 32°F to 115°F).
- The pump may be mounted in any position. If “ceiling mounted”, however, with the pumphead upside down, air entrapment may reduce the operational performance by up to 15%.

## GROWONIX WATER FILTERS USE QUICK CONNECT FITTINGS THAT ALLOW FOR EASY MAINTENANCE.

### MAKE A CLEAN TUBE CUT

Cut the tube squarely and if using plastic tubing, ensure that the cut has not made the tube out of round. Also ensure that the tube has a smooth outside diameter without any burrs or score marks prior to inserting it into the fitting.

### INSERT TUBE INTO FITTING

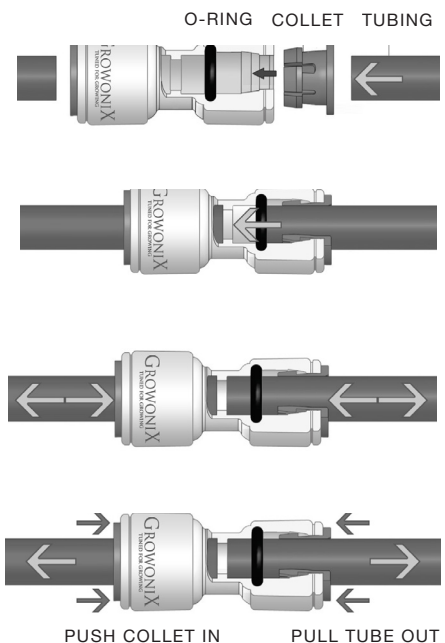
Push the tubing through the collet and dual o-rings until it bottoms out against the tube stop. The collet holds the tube in place and the dual o-rings provide a leak resistant seal.

### TEST AND INSPECT

Push and pull the tubing toward and away from the fitting to ensure that it has been installed properly. Test and inspect the installation for any leaks.

### TUBE REMOVAL

Relieve pressure from the tubing and fitting. Push uniformly around the collet flange against the fitting body while pulling the tubing away from the fitting to release it.



# PLUMBING AND ELECTRICAL

**READ ENTIRE MANUAL THOROUGHLY  
BEFORE INSTALLING THIS HIGH PRESSURE-BOOSTING PUMP.**

## PLUMBING

- The input is 3/8" OD" quick connect tubing.
- The output is 3/8" OD quick connect tubing.

## CAUTION

Any restrictions or blockage in the drain line of the RO system can cause back pressure, which will increase the systems operating pressure. this can result in damage to the system's membranes and components and a potentially DANGEROUS OVERPRESSURIZATION CONDITION.

We recommend use of flexible tubing with proper pressure rating.

Pump will prime only if all pressure is relieved from the outlet port.

It is recommended that an in-line sediment filter (150 micron or 100 mesh) be installed at the inlet side to keep foreign debris out of the system.

Avoid any sharp bends which may crimp tubing and restrict flow. Use 90° elbow fittings if necessary. Carbon filters should be flushed prior to connectivity to prevent carbon particles from entering the pump chambers, and possibly causing clogging.

## ELECTRICAL

The motor is available in 110 and 50/60 hertz 1 phase 2A. Please ensure that the electrical circuit supplying the system is compatible with the requirements of the BP-1530 pump. Each BP-1530 pump is equipped with an 5" electrical cord.

## NOTE

WE RECOMMEND THAT A LICENSED ELECTRICIAN WIRE YOUR SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES (NEC).

## WARNING

TO REDUCE THE RISK OF ELECTRICAL SHOCK, THE INCOMING POWER SUPPLY MUST INCLUDE A PROTECTIVE EARTH GROUND.



# COMPONENT DIAGRAM



1. Motor
2. Pump Input
3. Pump Output
4. Adjustable Internal Bypass
5. Pressure Switch
6. Power Transformer



**READ ENTIRE MANUAL THOROUGHLY  
BEFORE INSTALLING THIS HIGH PRESSURE-BOOSTING PUMP.**

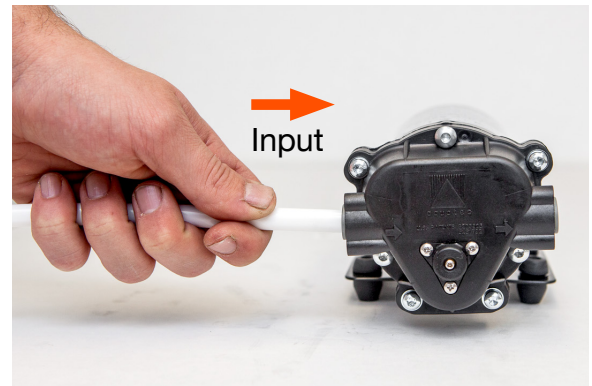
# SETUP INSTRUCTIONS

1



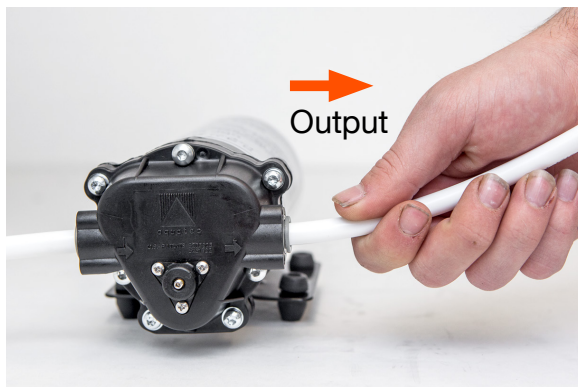
Make note of direction of flow prior to installation.

2



Connect the 3/8" feed water tubing to the pump input.

3



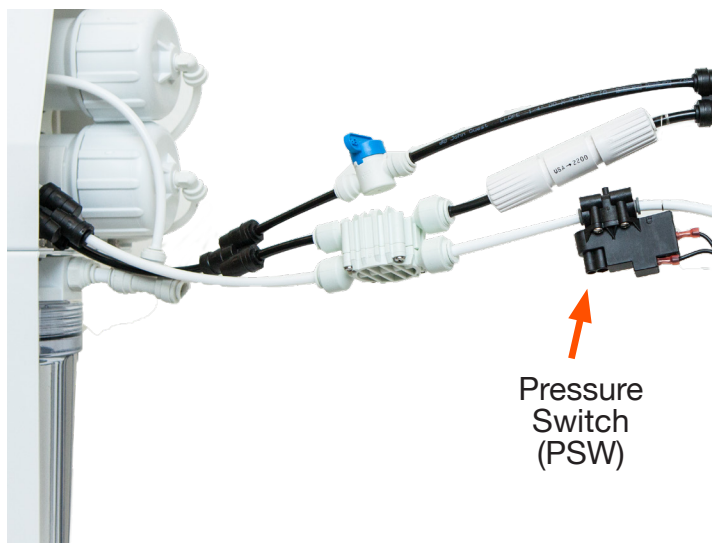
Insert another piece of 3/8" tubing into the pump output.

4



Insert the 3/8" pump output tubing into the RO filter input.

5



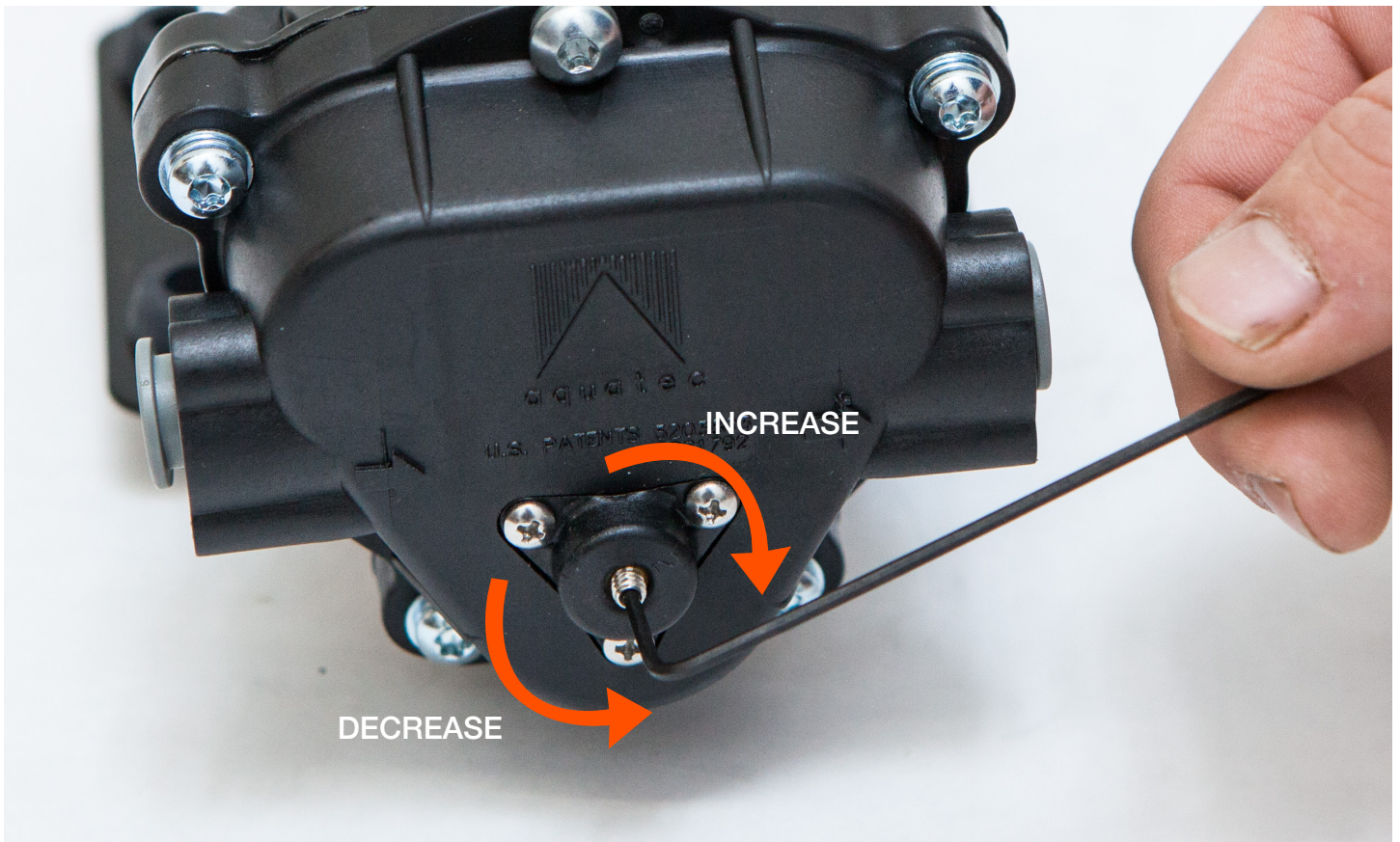
Install the pressure switch on the product water line (RO out tubing) after the auto-shutoff valve. The switch can be installed in any direction.



# ADJUSTABLE INTERNAL BYPASS

The BP-1530 Booster Pump is equipped with an adjustable internal bypass valve, which controls the maximum operating pressure. The valve is located in the center of the triangular cap on the top of the pump head, between the input and output ports. To adjust, insert the included 1/16" Allen Wrench into the chrome adjustment screw. Turn clockwise to increase operating pressure. Turn counter-clockwise to decrease operating pressure. It is recommended not to exceed 79 psi operating pressure.

Reference the pressure gauge on front of the RO filter while adjusting the pump pressure.



Turn clockwise to INCREASE operating pressure.  
Turn counter-clockwise to DECREASE operating pressure

# GROWONIX SYSTEM WARRANTY

For a period of one year from the date of original purchase, we will replace or repair any part of the GrowoniX product that we find to be defective in operation due to faulty materials or workmanship with the exception of the replaceable filters and membranes.

## GENERAL CONDITIONS

Damage to any part of this product because of misuse; misapplication; negligence; alteration; accident; installation; or operation contrary to our instructions, incompatibility with accessories not installed by GrowoniX, or damage caused by freezing, flood, fire, or Act of God, is not covered by this warranty. In all such cases, regular charges will apply. This limited warranty does not include service to diagnose a claimed malfunction in this unit. This warranty is void if the claimer is not the original purchaser of the unit or if the unit is not operated under normal municipal water or well water conditions.

GrowoniX assumes no liability in connection with this product. GrowoniX assumes no liability for any damages incurred through the use of this product. It is the responsibility of the end user to gauge the safe use of this product in the environment where it is applied. We do not authorize any person or representative to assume for us any other obligations on the sale of this reverse osmosis system. The information given out in the manual we believe to be true, but are offered to you in good faith without guarantee because each application of this product is different and beyond our control.

## GROWONIX RETURN POLICY

### MERCHANDISE RETURN DETAILS AND PROCEDURE:

If any merchandise was defective —we will refund the full purchase price upon receiving and reviewing the merchandise returned in undamaged condition.

### RMA NUMBER:

You must first obtain a Return Merchandise Authorization (RMA) number from GrowoniX.com. Any products sent to GrowoniX without an RMA number will not receive a refund and may be returned to the sender at their expense.

All refund amounts will be based on the manufacturer's warranty and GrowoniX return policy. Refunds will be issued back using the payment method you used when you placed your order. Refunds take up to 3-5 business days to process once we receive the return.

### PACKAGING:

Please kindly re-pack the product in its original box, or a box of equivalent strength. The unit should be packed in the same manner as it came to prevent damage in shipping. Please return everything that was in the original box, including any free items if applicable. Be sure to drain out all water from wet systems and parts and wrap them in plastic bags before packing.

### RETURN TO:

We will provide you with an GrowoniX warehouse address for return merchandise when we issue the RMA number.