

## Drinking Water Kit with Air Gap & Non-Air Gap Faucet for RO and RO/DI Systems



### INSTRUCTIONS

#### WARNING

**Please read carefully before proceeding with installation. Failure to follow any attached instructions or operating parameter may lead to the product's failure and possible damage to property.**

SpectraPure® Inc. assumes no responsibility for water damage due to leaks. It is the user's responsibility to determine that the system is leak-free.

Thank You for your purchase of a SpectraPure® System. With proper installation and maintenance, this system will provide you with high quality water for years to come. All SpectraPure® products are rigorously tested by us for safety and reliability. If you have any questions or concerns, please contact our customer service department at 1.800.685.2783 or refer to our online troubleshooting at [www.spectrapure.com](http://www.spectrapure.com).

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## OPERATIONAL SPECIFICATIONS

### RO Feed water requirements

|                                  |  |
|----------------------------------|--|
| Operating Pressure:              | 40-80 psi (2.75-6.9 bar).                  |
| pH Range:                        | 3-11.                                      |
| Max. Temperature:                | 100°F (38°C).                              |
| Max. Feed Turbidity:             | 1.0 NTU.                                   |
| Max. Silt Density Index:         | 5.0 (based on 15 min. test time).          |
| Maximum Chlorine:                | < 0.1 ppm                                  |
| Maximum TDS:                     | 2000 ppm.                                  |
| Maximum Hardness:                | 10 grains (170 ppm as CaCO <sub>3</sub> ). |
| Maximum Iron:                    | < 0.1 ppm.                                 |
| Maximum Manganese:               | < 0.1 ppm                                  |
| Maximum Hydrogen Sulfide:        | 0 ppm.                                     |
| Langlier Saturation Index (LSI): | must be negative.                          |

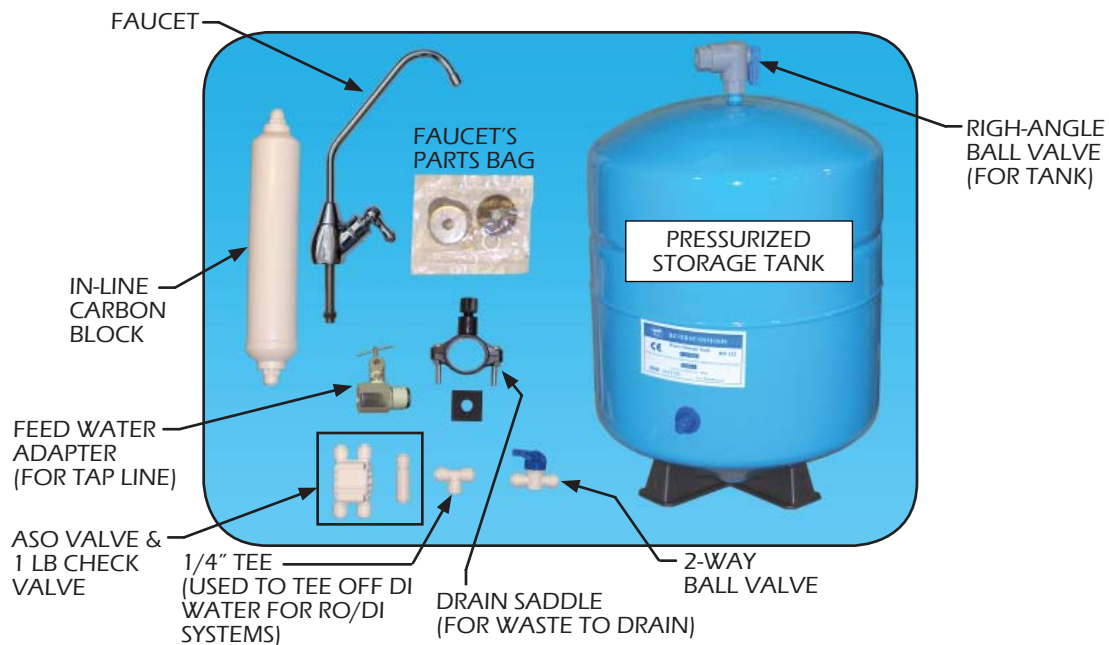
**NOTE: MOST MUNICIPAL WATER SUPPLIES MEET THE ABOVE REQUIREMENTS. IF WELL WATER IS USED, PLEASE MAKE SURE THAT YOU OBTAIN A WATER TEST BEFORE INSTALLATION.**

**NOTE: THE OPERATING PRESSURE IN YOUR HOME SHOULD BE TESTED OVER A 24 HOUR PERIOD TO OBTAIN THE MAXIMUM PRESSURE. IF IT IS ABOVE 80 psi THEN A PRESSURE REGULATOR WILL BE REQUIRED.**

## CONTENTS OF DRINKING WATER KIT

### DRINKING WATER ADD-ON KIT

- |   |   |
|---|---|
| (1) Pressurized Storage Tank                    | (1) In-line Carbon Block  |
| (1) Air-Gap Faucet (with parts bag)             | (1) Feed Water Adapter  |
| - (1) Galvanized Flange                         | (1) Drain Saddle  |
| - (1) Rubber Washer                             | (1) Ball Valve with Tee (for the top of tank)                       |
| - (1) Flat Metal Washer with "U" Cutout         | (1) Automatic Shut-off Valve (ASO) with check valve                 |
| - (1) Plastic Spacer with Cutout                | (1) Ball Valve  |
| - (1) Flat Metal Washer                         | (1) Tee (used to dispense RO water before the DI. (refer to page 9) |
| - (1) 1/4" Quick Connect Plastic Tubing Adapter |   |



**IF ANY OF THE ITEMS LISTED ABOVE ARE MISSING PLEASE CONTACT SPECTRAPURE PRIOR TO INSTALLATION. ALL RETURNS WITHOUT RMA# WILL BE REFUSED. CLAIMS MUST BE WITHIN 10 DAYS FROM RECEIPT.**

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## **PREPARATION**

1. Prepare for installation by removing all items from under the sink. Locate and turn off the COLD water supply and open the sink faucet to relieve any remaining pressure.
2. Determine an appropriate location for the Drinking Water System, Bladder Tank, Feed Water Connection, Drain Saddle, and the Air-Gap or Non-Air Gap Faucet for your specific application.
3. TOOLS RECOMMENDED FOR INSTALLATION:

- Adjustable Wrench
- Sharp Knife
- Open End Wrench
- Phillips Screw Driver
- Needle Nose Pliers- Adjustable Pliers
- Electric Drill
- 7/8" or 1/2" Hole Saw Bit for Faucet Opening (depends on faucet used)
- Round Knock out Punch for Stainless Sinks, 7/8" & 1/2"



## **DRILL HOLE FOR FAUCET IN A PORCELAIN SINK**

NOTE: Porcelain sink material is extremely hard and can crack or chip quite easily. To avoid this, use extreme caution when drilling. A carbide tipped masonry bit is recommended. **SpectraPure® accepts no responsibility for consequential damage resulting from the installation of the faucet.**

A gurgling sound may be heard coming from the Air-Gap Faucet when the system is running. This is normal and is in compliance with UPC Codes.

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- STEP 1. Determine a desired location for the faucet on your sink and place a piece of masking tape on the location where the hole is to be drilled. Mark the center of the hole on the tape.
- STEP 2. Use a variable speed drill on the slowest speed. Drill a 1/8" Pilot hole through both porcelain and metal casing of sink at the center of the desired location. (If drill bit gets hot it may cause the porcelain to crack or chip)
- STEP 3. Use a hole saw and proceed to drill the large hole (For AIR-GAP Faucet 7/8". For NON AIR-GAP Faucet 1/2"). Keep drill speed on the slowest speed and use lubricating oil or liquid soap to keep the hole saw cool during cutting.
- STEP 4. Make sure the surroundings of the sink are cooled before mounting the faucet to the sink after drilling. Remove all sharp edges with a file.

## **PUNCH HOLE FOR FAUCET IN STAINLESS STEEL SINK**

- STEP 1. If mounting faucet to a Stainless Steel Sink you will need a bimetal or carbide tipped hole saw.
- STEP 2. The Faucet opening should be centered between the back splash and the edge of the sink, ideally on the same side as the vertical drain pipe.
- STEP 3. Drill a 1/4" pilot hole. Use a bimetal or carbide tipped hole saw to punch the hole in the sink. (For AIR-GAP Faucet 7/8". For NON AIR-GAP Faucet 1/2").



## FAUCET INSTALLATION

### AIR-GAP FAUCET INSTALLATION

- Place the chrome counter plate and rubber washer over the threaded shaft and barbed nipples on the faucet (Refer to Figure 3).
- Pass the Blue 3/8" tubing, the Yellow 1/4" tubing, and the Black 3/8" tubing up through the drilled counter-top hole and temporarily secure them so they don't fall back through the hole.
- Place the galvanized flange, plastic spacer, flat metal washer, and hex nut in sequence over the threaded shaft and temporarily hand-tighten, then screw the push fitting onto the end of the threaded shaft.
- Insert the Blue 3/8" tubing into the Quick Connect Tubing Adapter.
- Connect the 1/4" yellow tubing to the smaller barb and connect the 3/8" Black tubing to the larger barb.
- Drop the entire assembly into the hole, resting on the chrome counter plate. Loosen the nut and position the Galvanized Flange under the countertop and then securely tighten the hex nut.
- DO NOT CUT EXCESS TUBING AT THIS POINT. YOU WILL NEED THE TUBING TO INSTALL TANK.

TIP: When connecting the tubes to the hose barbs, try using HOT water to soften the plastic tubes. When connecting the drain lines to the saddle, make the lengths as short and straight as possible to reduce drainage noise.

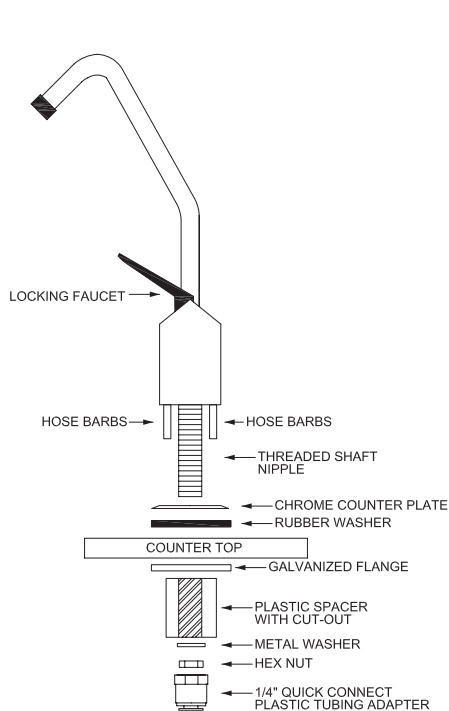


Figure 3

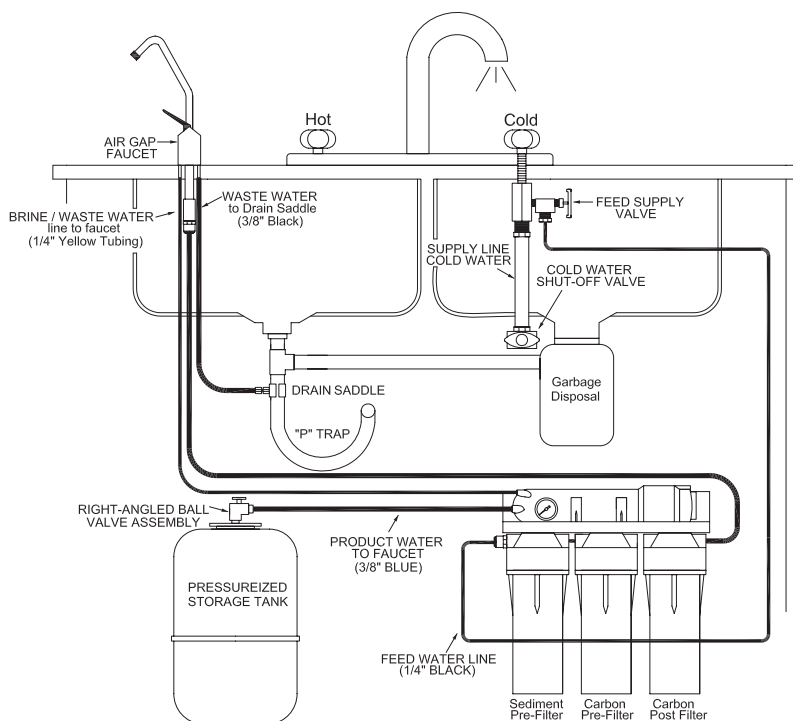
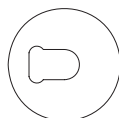


Figure 4: INSTALLATION FOR DWS & DWS-PP SYSTEM

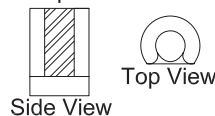
#### AIR-GAP FAUCET PARTS LIST

- Faucet
- Galvanized Flange
- Rubber Washer
- Flat Metal Washer with "U" Cutout
- Plastic Spacer with Cutout
- Flat Metal Washer
- Hex Nut
- 1/4" Quick Connect Plastic Tubing Adapter

#### Chrome Counter Plate



#### Plastic Spacer With cutout



#### Galvanized Flange



#### Flat Metal Washer



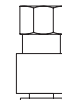
#### Hex Nut



#### Rubber Washer



#### Push Fitting



## NON AIR-GAP FAUCET INSTALLATION

- Place the chrome counter plate and large rubber washer over the threaded shaft on the faucet and place in hole previously drilled on page 4.
- Place the small rubber washer, locating washer, flat metal washer, and hex nut in sequence over the threaded shaft and temporarily hand-tighten. (Fig. 5)
- Insert the Blue Tube into the Compression Nut with the threads towards the end of the tube. Then add the Compression Sleeve.
- Place the Insert into the end of the Blue Tubing. Make sure you push the insert in all the way. Screw the Compression Nut onto the threaded shaft.
- Securely tighten both hex nut and Compression Nut.
- DO NOT CUT EXCESS TUBING AT THIS POINT. YOU WILL NEED THE TUBING TO INSTALL TANK.

TIP: When connecting the tubes to the hose barbs, try using HOT water to soften the plastic tubes. When connecting the drain lines to the saddle, make the lengths as short and straight as possible to reduce drainage noise.

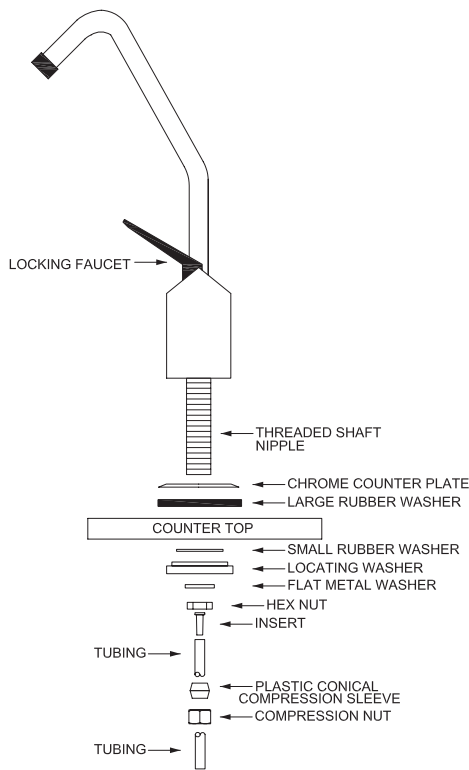


Figure 5

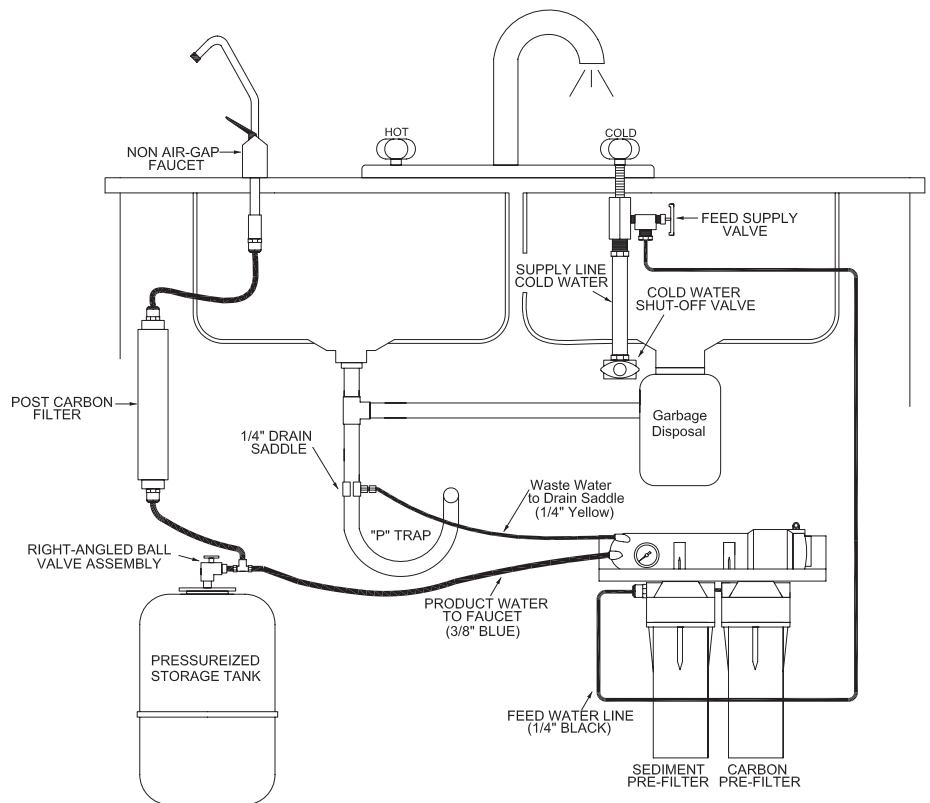
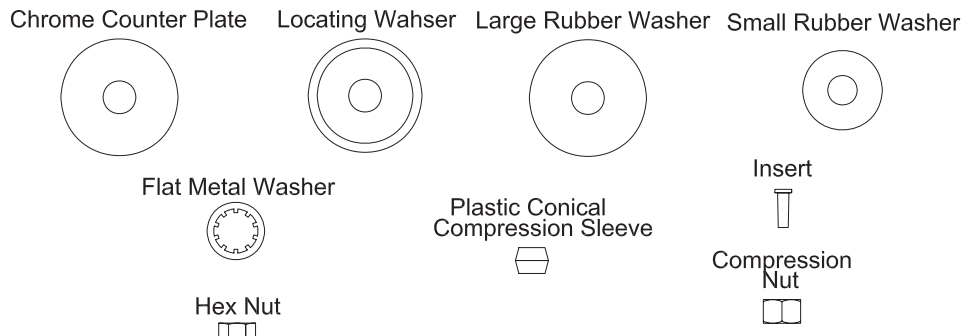


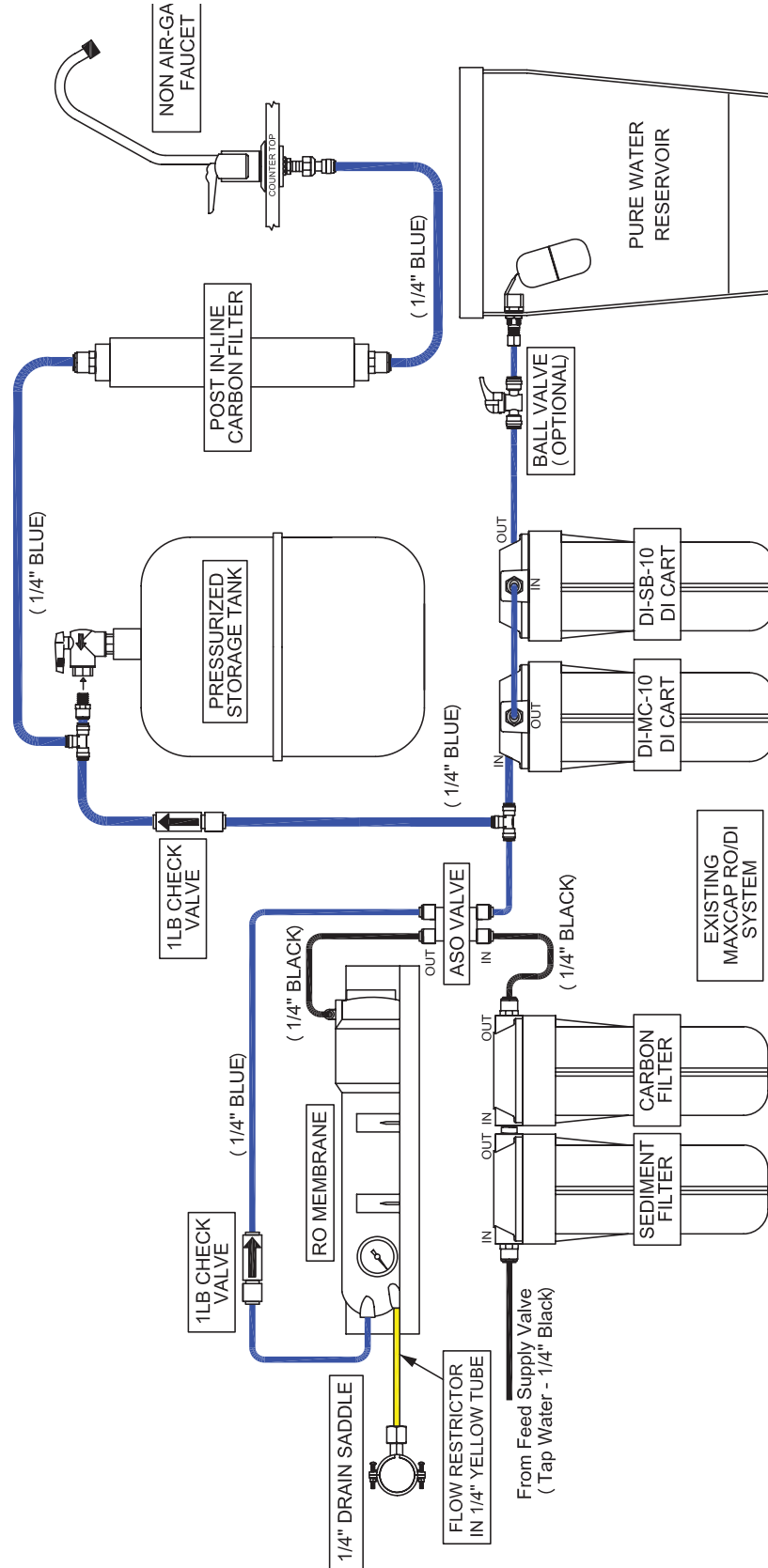
Figure 6: INSTALLATION FOR MAXPURE (MPDW)

### NON AIR-GAP FAUCET PARTS LIST

- Faucet
- Chrome Counter Plate
- Locating Washer
- Large Rubber Washer
- Small Rubber Washer
- Flat Metal Washer
- Hex Nut
- Plastic Conical Compression Sleeve
- Insert
- Compression Nut



## RO/DI SYSTEM WITH DRINKING WATER KIT INSTALLED



## DRAIN SADDLE INSTALLATION

Refer to Figure 7 and determine the location for the drain saddle assembly and drain hole. It must be located above the "P" trap ("U" shaped bend in drain pipe) on the sink side of the drain pipe. Place the half of the drain saddle with threaded nipple at a pre-determined location. Slide a pencil through the plastic nipple and make a mark on the drain pipe. Use a small punch and indent a start position to prevent the drill bit from wandering. Drill a 3/8" hole in the drain pipe through the mark **on one side only**, do not drill through both sides of the drain pipe. Clean any loose shavings from around the hole.

Refer to Figure 8 showing the drain saddle assembly sequence. Press nuts in back half of drain saddle assembly. Align the front half of the drain saddle by inserting a pencil through the plastic nipple and the newly drilled hole in the drain pipe. Install the back half of the drain saddle and clamp assembly to drain pipe by screwing in the mounting bolts until snug.

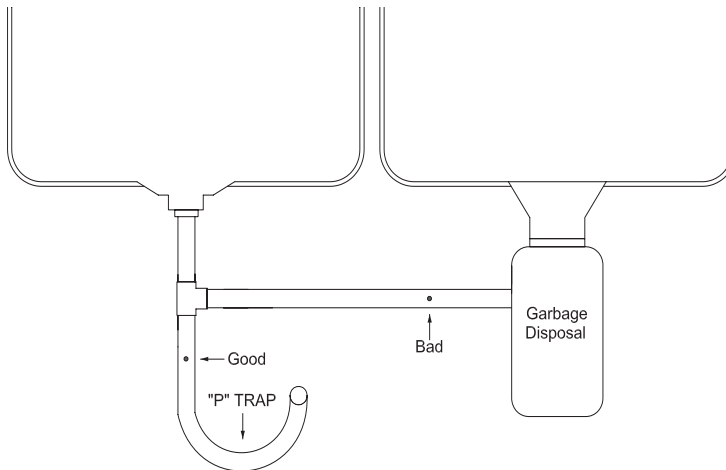


Figure 7: Drain Saddle Mounting Locations

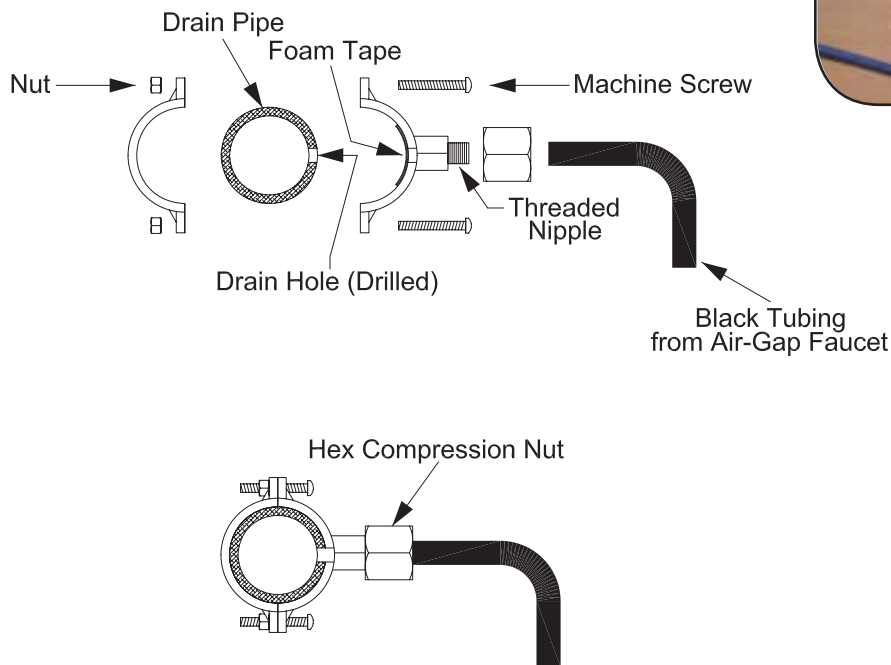
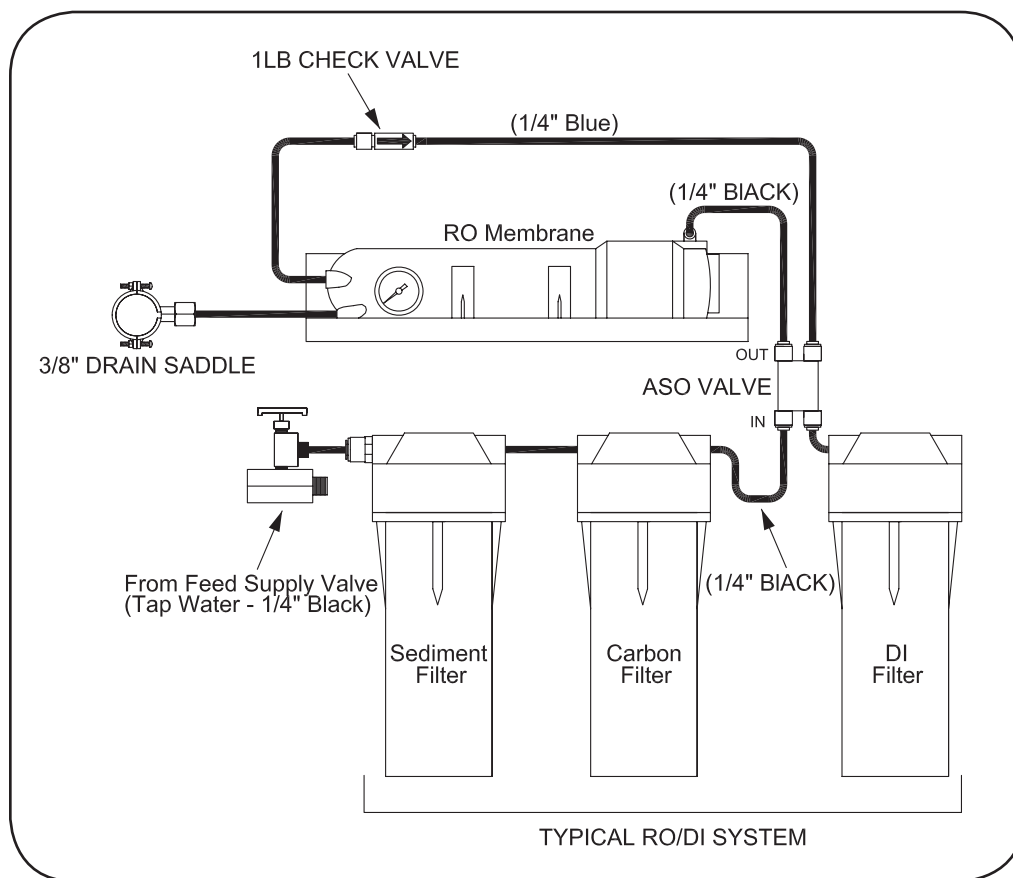


Figure 8: Drain Saddle Assembly Sequence



## **INSTALLING ASO AND CHECK VALVE**

1. Locate the Black Tube between the Carbon Filter and the Membrane.
2. Cut the Black Tube in half.
3. Insert the cut end from the Carbon Filter into the IN Port of the ASO Valve.
4. Insert the cut end from the RO Membrane Housing into the OUT Port of the ASO Valve.
5. Locate the Blue Tube (product water) that leaves the RO Membrane Housing.
6. Cut the Blue Tube 2" from the membrane housing.
7. Using the 1 lb Check Valve, reconnect the two cut ends with the arrow pointing away from the membrane.
8. Position the Blue Tube along side the ASO Valve to determine where the blue tube needs to be cut. Then cut the blue tube and reconnect the two cut ends with the two remaining ports of the ASO Valve.



**Figure 5: Schematic for ASO Valve**

## **ICE MAKER HOOK-UP (OPTIONAL)**

1. Turn off feed supply valve and the ball valve on tank.
2. Locate the Blue tube that leads to the faucet.
3. Cut the tube and reconnect the cut ends with a 3/8" x 3/8" x 1/4" Tee.
4. Connect 1/4" Tubing to the third leg of the tee and route to refrigerator.
5. Turn on feed supply valve and the ball valve on tank.

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## INSTALLING BALL VALVE ON TANK



STEP 1. If there is not Teflon tape applied to the nipple on the tank, wrap (7-12 turns) around the pipe threads (MPT) on the Stainless Steel fitting.

STEP 2. Thread the Ball Valve (supplied in the parts bag) onto the stainless steel nipple on top of the tank. Hand tighten only.

NOTE: The storage tank is pressurized with air at the factory to 6 psi with the tank totally drained. Over a period of time, air may leak out causing the delivery rate of the stored water to decrease. If this occurs, verify correct tank pressure using a low pressure air gauge on the tire valve stem located on the bottom, or near the flange at the top of the tank with tank completely empty of water.

**Refer to operation and maintenance on page 14.**

## MOUNTING SYSTEMS INSTALLATION

STEP 1. Determine best location for the RO system to be mounted to allow for future system maintenance. Use two (2) self tapping screws and a Phillips screwdriver. Measure the distance between the key hole slots on the back of the bracket and install screws. Leave enough space and tubing so that you can pull the system out for maintenance.



## START-UP PROCEDURES

1. Slowly turn the cold water supply to full flow. Check for leaks. Turn off the ball valve at the storage tank and open the faucet.
  - Watch the clear housings fill with water. When water comes out of the faucet, turn the faucet off. The system will pressurize rapidly and should shut off with a "click".

**NOTE:** It is important that air is purged from system during initial operation. To do this, orient the RO unit with the product (permeate) and reject (brine) water ports pointing upwards. (Round end of RO membrane housing is up, pre-filter housings are horizontal). Allow a minimum of 15 minutes operation with this orientation.

2. **Look for leaks and do not leave the system alone until you are sure there are no leaks.** Now, turn the valve on the tank to the "ON" position.
3. Before using the system, allow three tank fillings to occur, then flushing the contents between each filling by locking the air gap faucet lever to the open position until drained.
4. Wait for an hour before drawing water from of the faucet.

**Note: NEVER RUN HOT WATER (>100°F) THROUGH THE SYSTEM.**

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## **MAINTENANCE PROCEDURES**

### **SANITIZING THE RO/DI SYSTEM WITH DWK**

Sanitizing is recommended at least once every year or if water smells (or tastes) bad even after a post carbon filter replacement. A convenient time for sanitization is during a filter change-out. IT IS IMPORTANT THAT YOU HAVE CLEAN HANDS WHILE HANDLING INNER PARTS OF THE SYSTEM.

1. Be sure water supply to the RO/DI system is turned off, and the dispenser faucet is open. This will completely drain the pressure tank.
2. Next, remove the 1/4" black tubing from the feed port of the membrane and lift membrane housing from clips.
3. Remove the membrane housing cap by unscrewing it counterclockwise. Grasp the membrane stem with a pair of pliers and pull the membrane from the housing.
4. Screw the cap back on to the membrane housing making sure that the o-rings are in place.
5. Reconnect the 1/4" black tubing to the feed port of the membrane.
6. Remove sediment, carbon block, deionization cartridge and in-line post carbon filter.
7. Put 1.5 - 2.0 oz. of household bleach in the left filter housing and fill it half-way with tap water. Now, put all filter housings back on the bracket, keeping the one with the bleach on the left side.
8. Next, close the dispenser faucet (put lever in DOWN position).
9. Open feed supply valve 1/4 turn from closed position.
10. Allow 15 minutes for the bleach solution to flow through the system. Then, open dispenser faucet and keep the lever in the UP position till some bleach solution is dispensed through the faucet. IMMEDIATELY close the faucet as soon as the bleach solution is dispensed. This will sterilize the faucet and the line going to the faucet.
11. Let the system sit for 2 hours.
12. Open the dispenser faucet to drain bleach solution from the pressure tank as completely as possible and then close the faucet.
13. Open the feed supply valve fully.
14. Allow the tank to fill until pressure gauge reaches 40 psi. Then open the dispenser faucet and flush system until all bleach solution has been dispensed from the system.
15. Close the feed supply valve.
16. Remove filter housings and membrane housings from the system and then rinse them with tap water and drain them completely.
17. Put new replacement filters (sediment filter, carbon block filter & in-line post carbon filter) into the filter housings and put the membrane back into the membrane housing. You can use the same deionization cartridge if DI cartridge has not exhausted.

**Open the feed supply valve and check for leaks. This completes the procedure.**

### **RECHARGING THE BLADDER TANK**

If the storage capacity of the tank is diminished significantly it is likely that the tank has lost its air charge. Recharging the bladder tank will restore its capacity.

Be sure water supply to the RO/DI system is turned off, and the dispenser faucet is open. This will completely drain the pressure tank.

1. Put the dispenser faucet in the "open" position (lever in up position). Leave the faucet in the open position until the procedure is completed.
2. Drain as much water as possible from the tank.
3. Hook up an air pump to the "schrader" (tire) valve on the pressure tank and start pumping air into the tank.
4. Expel all the water from the tank.
5. Continue pumping air into the tank until the pressure reads NO MORE than 6 PSI.
6. This completes the procedure. Turn system back on.

Note: Should this procedure fail to restore the capacity of the tank, it is very likely that the bladder in the tank is ruptured and the tank needs replacement.

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**TROUBLESHOOTING GUIDE FOR RO/DI SYSTEM with DWK-DI-A**

|    | Problem                         |    | Cause  |       | Corrective Action  |
|----|---------------------------------|----|--|-------|--|
| 1. | Low production rate.            | a. | plugged pre-filters.   | i.    | Replace pre-filters.   |
|    |                                 | b. | low water temperature.   | ii.   | Use higher GPD membrane.   |
|    |                                 | c. | low water pressure (< 40 psi).   | iii.  | Use booster pump OR use higher GPD membrane.                                       |
|    |                                 | d. | high TDS content (< 1000 ppm).   | iv.   | Use booster pump OR use higher GPD membrane.                                       |
|    |                                 | e. | fouled membrane.   | v.    | Replace membrane.  |
|    |                                 | f. | plugged flow restrictor.   | vi.   | Replace flow restrictor & membrane.  |
|    |                                 | g. | tank bladder lost air charge.  | vii.  | Repressurize bladder to 6 psi (when empty).  |
|    |                                 | h. | too much pressure in bladder tank.   | viii. | Repressure bladder to 6 psi (when empty).  |
|    |                                 | i. | ruptured bladder.  | ix.   | Replace tank.  |
|    |                                 | j. | back pressure exerted by the pressurized bladder tank causes a reduction in production rate. | x.    | <b>Use of permeate pump retro-fit kit (PPRFK-DI) eliminates the back pressure.</b> |
| 2. | Zero production rate.           | a. | Missing flow restrictor.   | i.    | Put flow restrictor in the yellow brine line.                                      |
|    |                                 | b. | Dried membrane.  | ii.   | Replace membrane.  |
|    |                                 | c. | Plugged flow restrictor.   | iii.  | Replace flow restrictor and membrane.  |
|    |                                 | d. | bladder lost air charge.   | iv.   | Repressurize bladder to 6 psi (when empty).  |
|    |                                 | e. | ruptured bladder.  | v.    | Replace tank.  |
| 3. | Extremely high production rate. | a. | Ruptured membrane.   | i.    | Replace it.  |
|    |                                 | b. | Very high line pressure (over 80 psi).   | ii.   | Use a pressure reducing valve.   |

Troubleshooting Guide Continued on Next Page.

|     | Problem  |    | Cause                                    |      | Corrective Action   |
|-----|--|----|--|------|---|
| 4.  | Red light on OPTIONAL push to test button monitor comes on - When RO water stored in tank is being tested. | a. | TDS build-up in the bladder tank.        | i.   | Drain tank completely and re-test TDS.  |
|     |  | b. | Bad membrane.                            | ii.  | Replace membrane.   |
|     |  | c. | Faulty monitor/probe.                    | iii. | Replace monitor/probe.  |
| 5.  | Red light on OPTIONAL push-to-test button monitor comes on - When membrane product water is being tested.  | a. | Bad membrane.                            | i.   | Replace membrane.   |
|     |  | b. | Faulty monitor/probe.                    | ii.  | Replace monitor/probe.  |
| 6.  | Water smells bad.  | a. | Bacterial contamination of bladder tank. | i.   | Sanitize RO/DI System.  |
|     |  | b. | Ruptured bladder in storage tank.        | ii.  | Replace tank.   |
|     |  | c. | Exhausted post carbon filter.            | iii. | Replace post carbon filter.   |
| 7.  | Milky colored water.   | a. | Air in system.                           | i.   | Air in the system is a normal occurrence with initial start-up of the RO/DI system. This milky appearance will disappear during normal use within 1-2 weeks. If condition reoccurs after filter changes, drain tank 1 to 2 times. |
| 8.  | Reject (yellow) line never stops flowing water.  | a. | Faulty 3 lb. elbow check valve.          | i.   | Replace it.   |
|     |  | b. | Faulty auto shut-off valve.              | ii.  | Replace it.   |
| 9.  | Broken faucet handle.  | a. |  | i.   | Purchase a faucet repair kit.   |
| 10. | Leak under the faucet handle.  | a. |  | i.   | Purchase a faucet repair kit.   |
| 11. | Leak around the base of the spout.   | a. | Displaced O-rings.                       | i.   | Pull the faucet spout out. Seat O-rings in place.   |
|     |  | b. | Worn O-rings.                            | ii.  | Replace O-rings (Purchase a faucet repair kit).   |
| 12. | Noise from faucet or drain.  | a. | Location of drain saddle.                | i.   | See <b>Figure 4</b> for proper location of drain saddle.  |

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## THREE YEAR LIMITED WARRANTY

Effective on products purchased after March 10, 2005.

All standard water purification products manufactured by SpectraPure have a 3 year limited warranty, except the Eliminator™ MarinePro™, Industrial, Laboratory, Custom Systems, and electrical products which have a 1 year limited warranty. LiterMeters™ have a 2 year limited warranty. OEM equipment resold by SpectraPure carry the original manufacturer's warranty.

SpectraPure, Inc.® warrants the product to the original owner only to be free of defects in material and workmanship for a period of three years (see exceptions above) from the date of receipt. SpectraPure's liability under this warranty shall be limited to repairing or replacing at SpectraPure's option, without charge, F.O.B. SpectraPure's factory, any product of SpectraPure's manufacture. SpectraPure will not be liable for any cost of removal, installation, transportation or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by SpectraPure are subject to the warranty provided by the manufacturer of said products and not by SpectraPure's warranty. SpectraPure will not be liable for damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized alteration or repair or, if the product was not installed in accordance with SpectraPure's or other manufacturer's printed installation and operating conditions, or damage caused by hot water, freezing, flood, fire or acts of God.

SpectraPure will not be responsible for any consequential damages arising from installation or use of the product, including any water or mold damage due to flooding which may occur due to malfunction or faulty installation, including, but not limited to failure by installer to over- or under-tighten fittings, housings, and/or push-style fittings, or improper installation of push-style fittings.

SpectraPure warrants (pro-rated) the performance of tested SpectraSelect™ RO membrane elements only, for one year from date of receipt by the buyer, providing that the loss of performance was not caused by fouling, neglect or water conditions exceeding the feed water parameters listed in the applicable product manual (refer to detailed membrane warranty information). SpectraPure will, on confirmation of loss of performance during the warranty period, credit the pro-rated amount of the current catalog price of the element. The disposable filters and cartridges are not covered under the warranty.

To obtain service under this warranty, the defective system or components must be returned to SpectraPure with proof of purchase, installation date, failure date and supporting installation data. Any defective product to be returned to the factory must be sent freight prepaid; documentation supporting the warranty claim and a Return Goods Authorization (RGA) number must be included. SpectraPure will not be liable for shipping damages due to the improper packaging of the returned equipment and all returned goods must also have adequate insurance coverage and a tracking number.

SpectraPure will not pay for loss or damage caused directly or indirectly by the presence, growth, proliferation, spread or any activity of "fungus", wet or dry rot or bacteria. Such loss or damage is excluded regardless of any other cause or event that contributes concurrently or in any sequence to the loss. We will not pay for loss or damage caused by or resulting from continuous or repeated seepage or leakage of water, or the presence or condensation of humidity, moisture or vapor, that occurs over a period of 14 days or more. "Fungus" and "fungi" mean any type or form of fungus or Mycota or any by-product or type of infestation produced by such fungus or Mycota, including but not limited to, mold, mildew, mycotoxins, spores, scents or any biogenic aerosols.

SpectraPure will not be liable for any incidental or consequential damages, losses or expenses arising from installation, use, or any other causes. There are no expressed or implied warranties, including merchantability or fitness for a particular purpose, which extend beyond those warranties described or referred to above.

**\* The three year limited warranty does not apply to consumable items, including but not limited to, filters and cartridges unless specifically stated above.**

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## REPLACEMENT & OPTIONAL PARTS

| No. | Catalog No.      | Replacement Parts              | Description  |
|-----|------------------|--------------------------------|--|
| 1.  | CF-IN-10         | 10" in-line post carbon filter | Polishes water and removes any taste               |
| 2.  | V-ASO-4JG        | ASO Valve                      | Completely shuts off Product water and Waste water |
| 3.  | VA-CK-IL-1/2LB-4 | Check Valve                    | Is used in conjunction with the ASO Valve.         |

| No. | Catalog No.                   | Optional Part  |
|-----|-------------------------------|--|
| 4.  | IMK                           | Ice Maker Kit  |
| 5.  | PPRFK-DI                      | Permeate Pump Retro-Fit Kit used for RO/DI systems                     |
| 6.  | BPLF-PS-115                   | Booster pump kit for use with up to 25-60 GPD system                   |
| 7.  | BPHF-PS-115                   | Booster pump kit for use with over 60 GPD systems                      |
| 8.  | FAU-REP                       | Faucet repair kit  |
| 9.  | V-PREG-0-125-4GJ              | Pressure reducing valve (pressure regulator)                           |
| 10. | TANK-SN03-4 or<br>TANK-SN04-4 | 3 Gallon Pressurized Storage Tank or 4 Gallon Pressurized storage Tank |