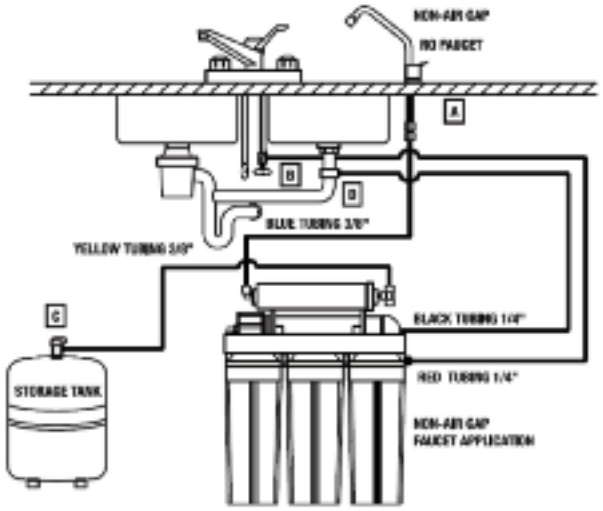
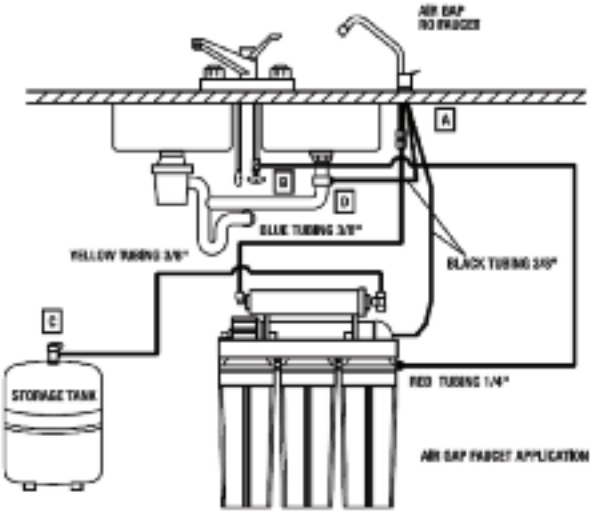
INSTALLATION QUICK LOOK

Please follow 4 color tubing diagram to complete installation





CAUTION: When cutting supplied tubes, predetermine the length by measuring the distance between the components to be connected.
No tools are needed to connect 4 colored tubes.

HOW TO MAKE A CONNECTION

1. CUT THE TUBE SQUARE

Cut the tube square. It is essential that the outside diameter be free from score marks and that burrs and sharp edges be removed before inserting into fitting. For soft thin walled plastic tubing we recommend the use of a tube insert.

2. INSERT TUBE

Fitting grips before it seals. Ensure tube is pushed into the tube stop.

3. PUSH UP TO TUBE STOP

Push the tube into the fitting, to the tube stop. The collet (gripper) has stainless steel teeth which hold the tube firmly in position while the o-ring provides a permanent leak proof seal.

4. PULL TO CHECK SECURE

Pull on the tube to check that it is secure. It is a good practice to test the system prior to leaving site and/or before use.

Disconnecting *PUSH COLLET AND REMOVE TUBE*

To disconnect, ensure the system is depressurized before removing the tube. Push in collet squarely against face of fitting. With the collet held in this position, the tube can be removed. The fitting can then be re-used.

Please follow any special plumbing codes in your area.

	Connections	Item No.	Color of Tubing	Description
A	RO Faucet	FU-WDF-703-CP	Blue	Pure water to the Faucet
B	Feed Water Valve	PPASV12120W	Red	Feed Water to RO System
C	Tank Ball Valve	VV-BLP1438WJ-X	Yellow	Pure Water to Storage Tank
D	Drain Connector	VV-WWC-1	Black	Discharge Water to Drain

DRILL A HOLE FOR THE FAUCET IN A PORCELAIN SINK

Note:

Most sinks are pre drilled with 1 ½" or 1 ¼" diameter hole that you can use for your RO faucet. (If you are already using it for a sprayer or soap dispenser, see step 1)

Porcelain sinks are extremely hard and can crack or chip easily.
Use extreme caution when drilling. Watts accepts no responsibility for damage resulting from the installation of faucet. Diamond tip bit recommended.

1) Determine desired location for the RO faucet on your sink and place a piece of masking tape over where the hole is to be drilled. Mark the center of the hole on the tape.

2) Using a variable speed drill set on the slowest speed, drill a 1/8" pilot hole through both porcelain and metal casing of sink at the marked center of the desired location. Use lubricating oil or liquid soap to keep the drill bit cool (If drill bit gets hot it may cause the porcelain to crack or chip).

3) Using a 1 ¼" hole saw, proceed to drill the large hole. Keep drill speed on the slowest speed and use lubricating oil or liquid soap to keep the hole saw cool during cutting.

4) Make sure the surroundings of the sink are cooled before mounting the faucet to the sink after drilling and remove all sharp edges.

PUNCH A HOLE FOR THE FAUCET IN A STAINLESS STEEL SINK

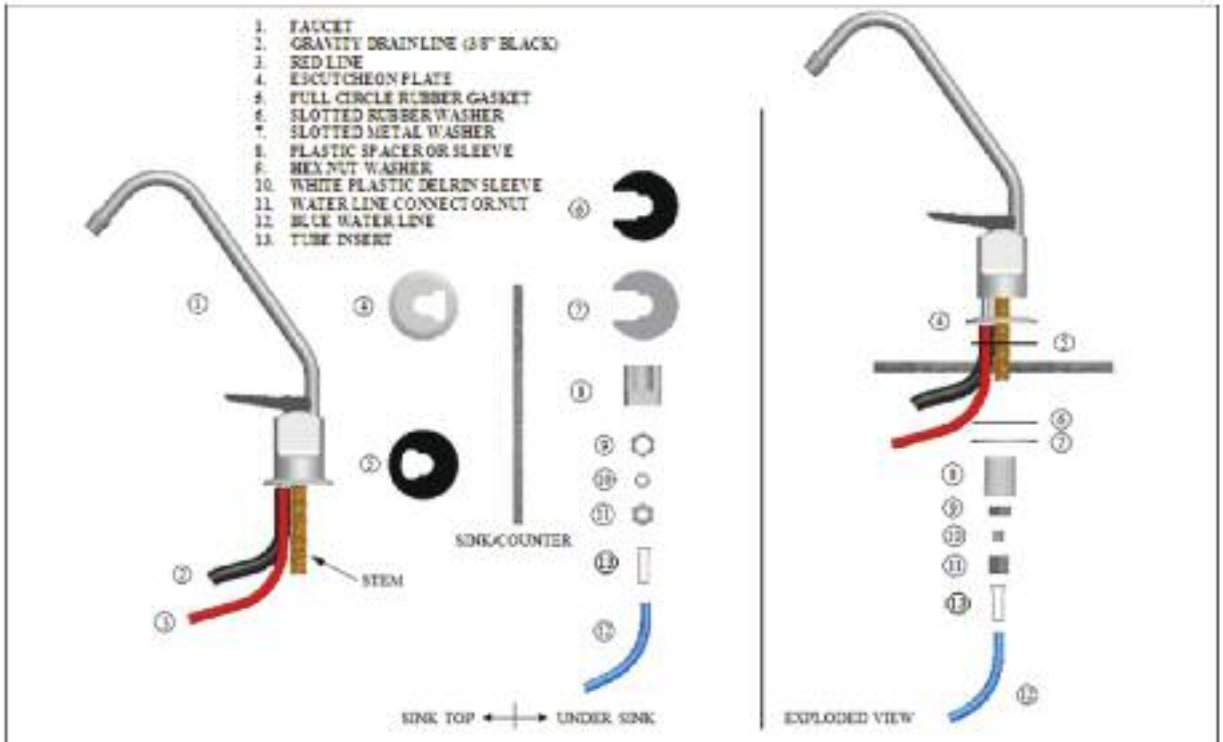
Note:

If mounting faucet to a Stainless Steel Sink you will need a 1/2" & 1 ¼" Hole Punch. 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.

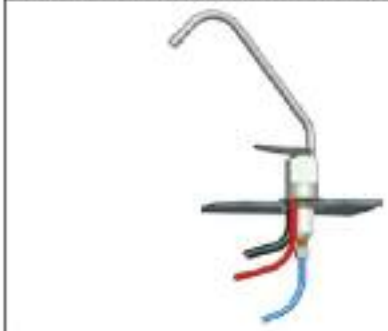
5) Drill a ¼" pilot hole. Use a 1/2" Hole Punch and an adjustable wrench to punch the hole in the sink. Change to the 1 ¼" Hole Punch to enlarge the hole.

The faucet can now be installed.

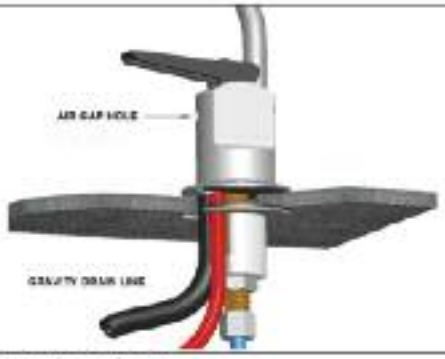
STANDARD FAUCET INSTALLATION



1. LIST OF PARTS and ASSEMBLY IN EXPLODED VIEW



2. COMPLETE ASSEMBY



3. CLOSE-UP ASSEMBLY

1) Remove nut (item 11) and blue tubing (item 12) from faucet (Leave the nut and plastic delrin sleeve (item 10) on the blue tube).

2) Feed both the red and black tubing through the pre drilled hole in the sink/counter until faucet is seated.

3) Under the sink - on to the threaded faucet stem in order first slide on the rubber gasket (item 6), the slotted washer (item 7), the white spacer with the open end UP (item 8), the hex nut washer (item 9), and lastly secure with nut (item 11).

4) Make sure the plastic delrin sleeve (item 10) is on the end of the blue tube, push the white plastic insert (item 13) into the end of blue tubing with the delrin sleeve, insert the blue tube (item 12) into the faucet stem and secure with nut (item 11).

Note: ***DO NOT overtighten nut.***

ADAPT-A-VALVE INSTALLATION

Configuration for 3/8" compression fittings

Hot Supply **Cold Supply**

Configuration for 1/2" compression fittings

1) Turn off the cold water supply to the faucet by turning the angle stop valve completely off.

2) Attach the adapt-a-valve as illustrated in the three photos above, choosing the configuration that fits your plumbing. (When attaching the adapt-a-valve to straight pipe threads, use Teflon tape on the threads without the rubber washer.)

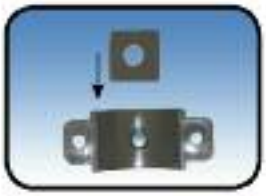
Caution: Water supply line to the system must be from the cold water supply line only. Hot water will severely damage your system.

DRAIN SADDLE INSTALLATION

Drain Saddle fits standard 1 ¼" – 1 ½" drain pipes

Caution:

If you have a garbage disposal, do not install the drain saddle near it. Installation of the drain saddle must be either above the garbage disposal, or if a second sink drain is available, install it above the cross bar on the second drain. Installation of the drain saddle near a garbage disposal may cause the drain line to plug.



1) Gather the pieces of the drain saddle

1 Black compression nut	1 Semicircle bracket with opening
2 Screws	1 Foam gasket
2 Nuts for screws	1 Semicircle bracket

2) The small square black foam gasket with a circle cut out of the middle must be applied to the inside of the drain saddle. Remove sticky tape backing and stick to the drain saddle as shown.

3) The drain saddle must be mounted at least 1 ½" above the nut of the P-trap or cross bar from the garbage disposal to insure proper drainage. Assemble the drain saddle around the drain pipe at the best available location. Using Phillips screw driver tighten screws evenly and securely on both sides of the drain saddle. Keep the plastic compression nut off at this time.

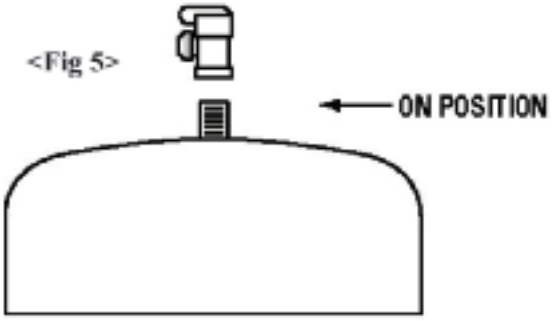
Caution: Do not over tighten the screws. It may crack the drain saddle.

STEP 3: MOUNTING THE TANK BALL VALVE

Note: Do not tamper with the air valve on low side of storage tank. It has been preset at 5-7 psi by the manufacturers.

1) With the provided teflon tape wrap 3-4 turns in a clockwise direction around the male threaded connection on the top of the storage tank,
2) Connect the ball valve to the thread. Make sure it is tight but not over tight. ***See*** **<Fig. 5>.**
4) Connect the yellow tubing from to the tank ball valve. Push the tubing in all the way to make sure it is properly seated.
5) Turn the tank ball valve off.

<Fig 5>



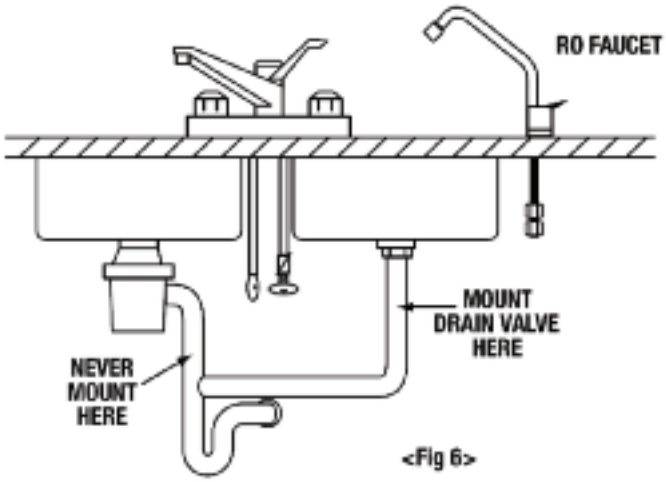
TOP VIEW OF TANK BALL VALVE (VV-BLP1438WJ-X)

OFF POSITION **ON POSITION**

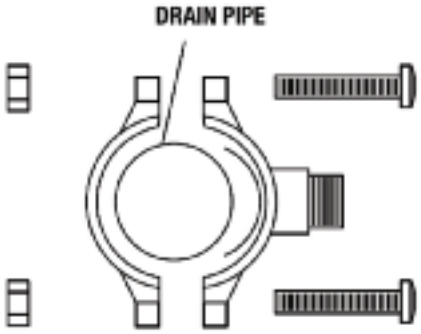
STEP 4: MOUNTING THE DRAIN CLAMP

The drain clamp (VV-DSP014/3) will fit most standard drain pipe 1/4". It should be installed above the trap and on the vertical tailpiece. See **<Fig. 6>**

1) Position the drain saddle in desired location, mark spot through thread outlet, remove saddle.
2) Drill 1/4"(6.3mm) hole into the drain pipe above the water line of trap.
3) Align the hole drilled in the drain pipe with the drain saddle using a drill bit or other narrow straight object and tighten clamp.
4) Make sure to align drain saddle to drilled hole. Attach drain saddle to drilled hole and tighten the two screws evenly. See **<Fig. 7>**.
5) Connect black tubing to drain clamp.



<Fig 6>



<Fig 7>