



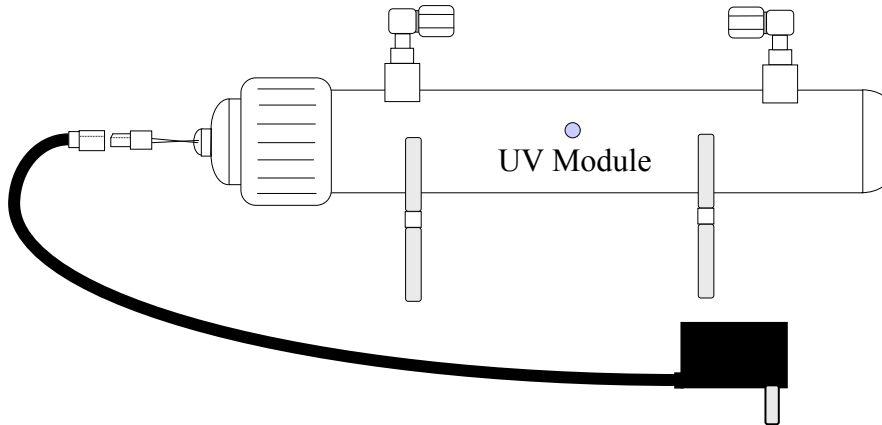
Residential Ultra Violet Disinfection System

For Residential Reverse Osmosis (RO)

Model: UV Residential Kit

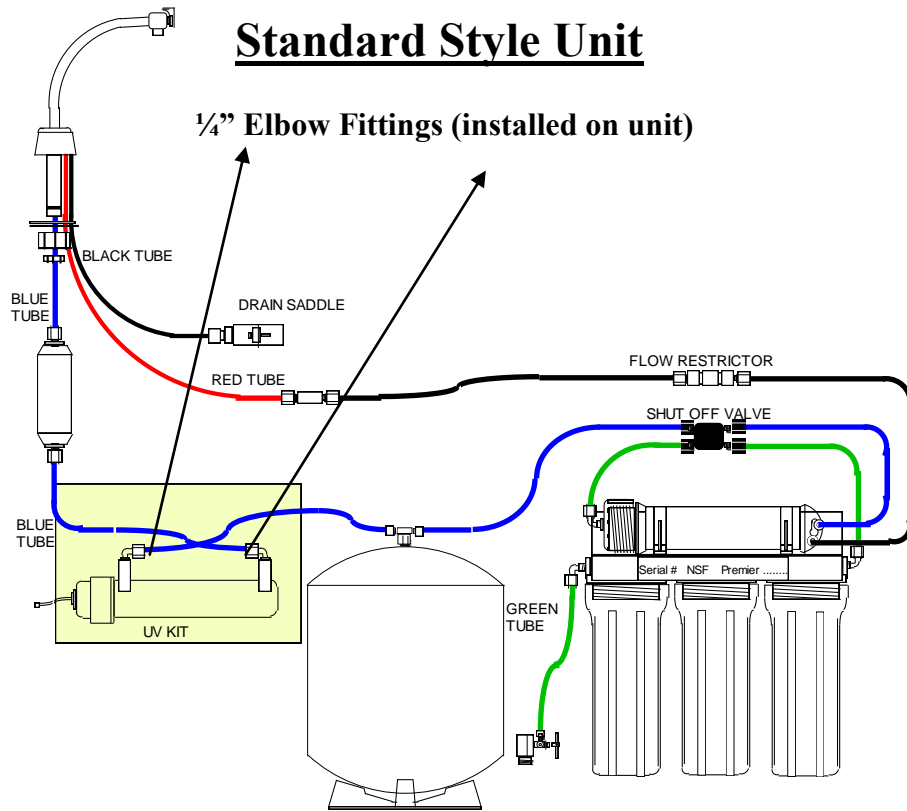
Installation & Service Manual

**This manual covers installation for
Standard Style & Manifold Style RO Units**



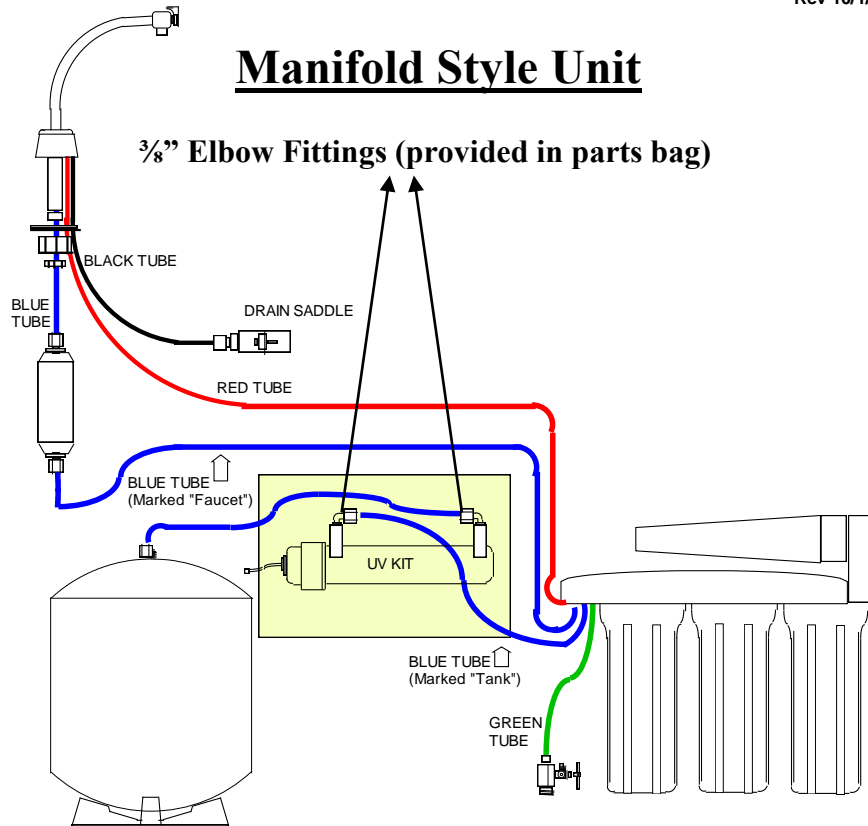
Watts Premier, Inc
8716 W. Ludlow Drive Suite #1 Peoria, AZ 85381
Phone: 480-675-7995 Fax: 623-866-5666

Standard Style Unit



Rev 10/1/04

Manifold Style Unit



Rev 10/1/04

Check unit for shipping damage. If unit is damaged when received you will need to make a claim with the freight carrier. Item damage in shipping is not covered under warranty. Check plug-in ballast to make sure that it is the right voltage and hertz for your country.

WARNING: TO PROTECT FROM ELECTRICAL SHOCK THE UV MODULE SHOULD BE UNPLUGGED WHEN WORKING ON THE UNIT.

Section 1

Standard Style Unit

See Drawing #1 on page 2

NOTE: The two elbow fittings on the top of the UV module **DO NOT** need to be replaced if attaching UV module to a Standard Style Unit with a 1/4" tank tube.

1. Shut off water supply to RO unit & drain tank by opening the RO faucet until water flow stops.
2. Cut the 1/4" blue tubing between the storage tank & the final filter. Re-connect the two ends of the tubing to each end of the UV module until nuts are snug – do not over-tighten (It does not matter which way the water flows through the UV module).
3. Turn RO faucet off. Turn on incoming feed water supply to the RO unit and let run until the tank fills.
4. Check for leaks.
5. Plug the Plastic Electrical Connectors from the UV module together with Plastic Electrical Connector on the Ballast.
6. Plug ballast into electrical outlet. You will see light blue light from the UV module view port.

Section 2

Manifold Style Unit

See Drawing #2 on page 2

NOTE: The two elbow fittings on the top of the UV module **WILL** need to be replaced (with supplied 3/8" elbow fittings) if attaching to a Manifold Style Unit with a 3/8" tank tube.

1. Shut off water supply to RO unit & drain tank by opening the RO faucet until water flow stops.
2. Replace the two 1/4" elbow fittings on the top of the UV Module with the two 3/8" elbow fittings supplied in the parts bag.
NOTE: Use 2-3 wraps of Teflon tape (supplied) before attaching the new elbow fittings to the UV Module. Do not over-tighten elbow fittings or damage to module may occur.
3. Cut the 3/8" blue tubing feeding the storage tank from the RO unit and re-connect the two ends to each end of the UV module until nuts are snug – do not over-tighten (It does not matter which way the water flows through the UV module).
4. Turn off RO faucet. Turn on incoming feed water supply to the RO unit and let run until the tank fills.
5. Check for leaks.
6. Plug the Plastic Electrical Connectors from the UV module together with Plastic Electrical Connector on the Ballast.
7. Plug ballast into electrical outlet. You will see light blue light from the UV module view port.

Section 3

Maintenance

For maximum disinfection, the UV lamp should be replaced once every 12 months, and the UV Cap and quartz tube should be cleaned at the same time.

Warning: Do not touch UV Lamp or Quartz Tube with bare fingers or hands as this will shorten the lifespan of the bulb or create hot spots on the bulb. Handle with clean cloth or cotton gloves. If you contact the bulb, wipe the bulb with common household isopropyl alcohol and dry prior to use.

Replacement of UV Bulb

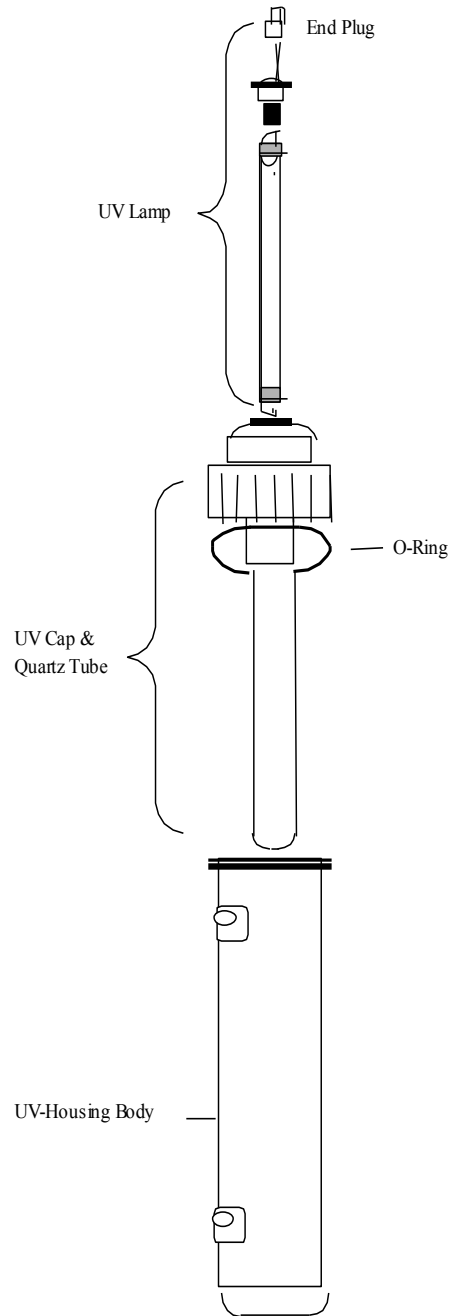
1. Unplug ballast from electrical outlet.
2. Unplug the plastic electrical connector from ballast to UV Lamp.
3. Shut off water supply to RO unit & drain tank by opening the RO faucet

until water flow stops, then shut off faucet.

- Using a flat blade screwdriver, pry open the end of the bulb away from the UV Cap. Remove UV Lamp from cap and discard.
- Carefully slide new UV Lamp into the UV cap until it is flush.
- Turn on incoming feed water supply to the RO unit and let run until the tank fills.
- Check for leaks.
- Plug the Plastic Electrical Connectors from the UV module together with Plastic Electrical Connector on the Ballast.
- Plug ballast into electrical outlet. You will see light blue light from the UV module view port.

Cleaning of UV Cap & Quartz Tube.

- Unplug ballast from electrical outlet.
- Unplug the plastic electrical connector from ballast to UV Lamp.
- Shut off water supply to RO unit & drain tank by opening the RO faucet until water flow stops.
- Remove the UV Cap & Quartz tube by turning the cap counter-clockwise.
- Clean outside of the Quartz tube, the UV Cap and inside of UV housing with warm water and a mild detergent. Rinse thoroughly with warm clean water and let dry.
- Lubricate UV housing o-ring with water-soluble lubricant (i.e. K-Y Jelly ® or Silicone lubricant) NOTE: Do not use Petroleum based lubricant (i.e. Vaseline ®).
- Carefully screw clean UV Cap & Quartz tube back onto UV housing body by turning clockwise.
- Turn on incoming feed water supply to the RO unit and let run until the tank fills.
- Check for leaks.
- Plug the Plastic Electrical Connectors from the UV module together with Plastic Electrical Connector on the Ballast.
- Plug ballast into electrical outlet. You will see light blue light from the UV module view port.



California Proposition 65 Warning

WARNING: this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (Installer: California law requires that this warning be given to the consumer).

For questions regarding installation or service contact:

Watts Premier, Inc.

Customer Service department toll free within the Continental United States

(800-752-5582).

Outside the United States (480-675-7995).

E-mail: mail@premierh2o.com