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| Product Information Bulletin | | |
|---|---------------------|-------|
| Date Issued | | PIB # |
| 7/30/2015 | Pura Water Purifier | 39 |
| YEAR / BRAND / TYPE / MODEL # | | |
| 2016 / King Aire / all with Pura Water Filter | | |
| Product Information | | |
| <p>This Bulletin created to inform our dealers: Units with Pura Filter Systems will be shipped with the filters not installed in the Pura system and will be shipped loose. They will be put in the kitchen drawer.</p> | | |

This information bulletin is to inform you: King Aire units with pura water purification system is shipped with filters not installed in filter housings. You will find them shipped loose in the kitchen drawer.



Figure 1 located under kitchen countertop beside large drawer



Figure 2 loose shipment of filters in drawer

There are 2 filters and a light cover see attached pictures

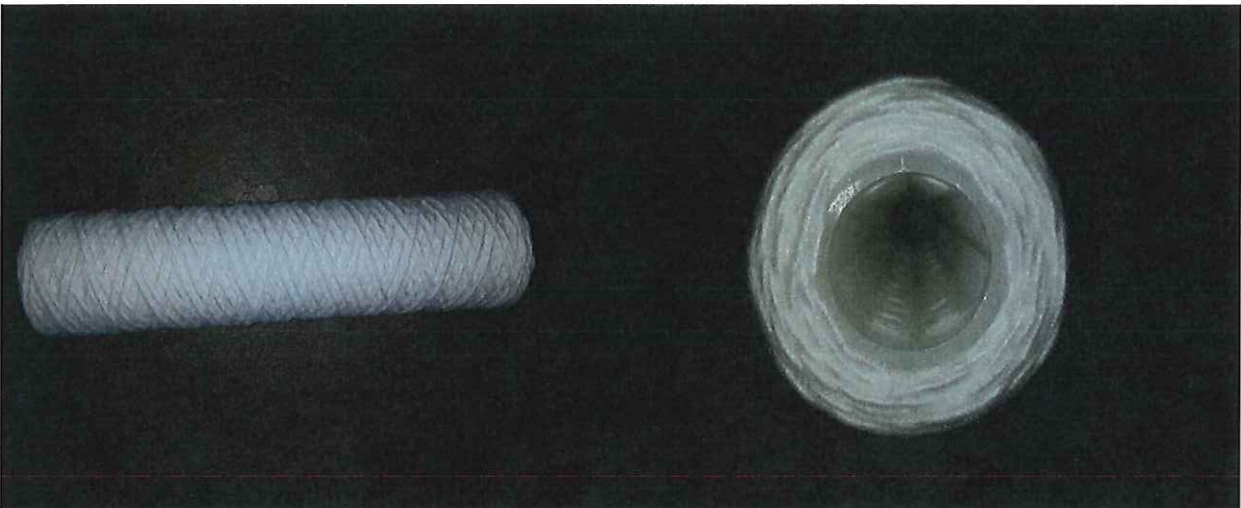


Figure 3 filter views

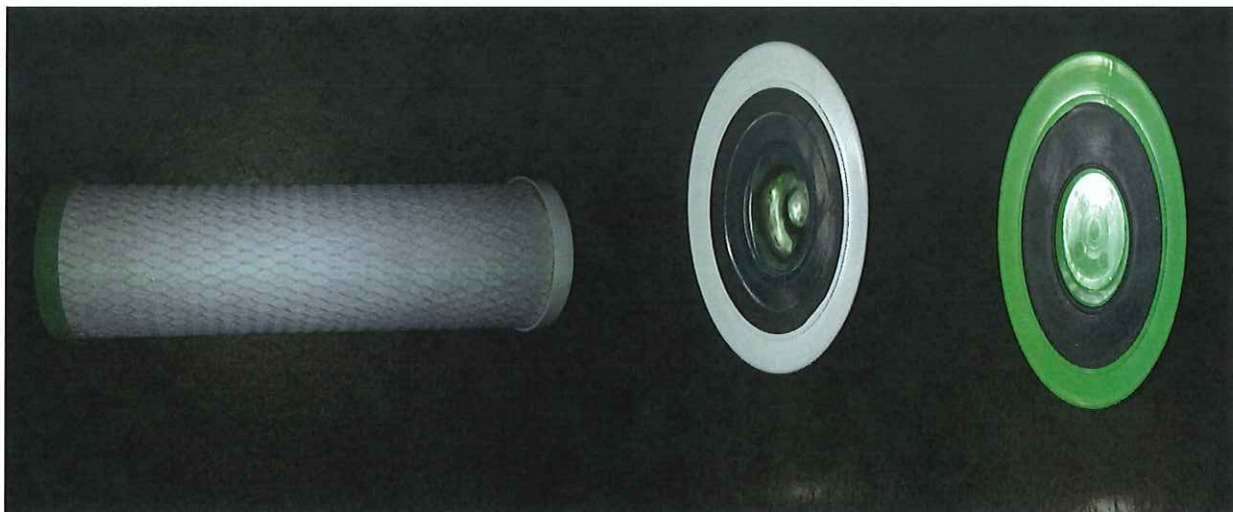


Figure 4 filter #2 views



Figure 5 filter #2 end with Teflon sleeve protruding this should be inserted in filter before black gasket is installed see attached sheets

UVB SERIES - SYSTEM ASSEMBLY AND ACTIVATION PROCEDURES

PREPARATION – INSPECT ALL PARTS

NOTE: Read Mounting Bracket and System Plumbing Installation instructions on Page 1 and all instructions on this page before installing system.

| UVB SERIES |
|--|
| UVB Ultraviolet System Control Module Box Ultraviolet Lamp #11 (in packing tube) Quartz Sleeve #11 (in packing tube) Mounting Screws (2-4 pieces, varies with model) Installation Manual and Owners Guide Sump Wrench #10/20 |

NOTE: See Page 4 for UVB detailed parts breakdown. Refer to the label affixed to the mounting bracket to identify filter(s) to be installed with UV module.

CONTROL MODULE INSTALLATION

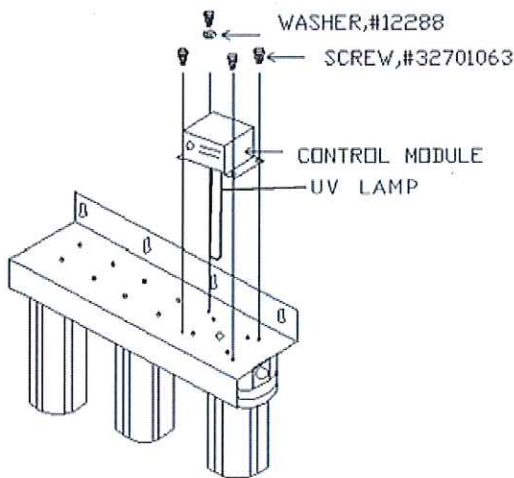


Figure 1A - * UVB-3 model shown

CONTROL MODULE INSTALLATION WITH SAFETY ROD FOR UVB MODELS WITHOUT THE LOC OPTION

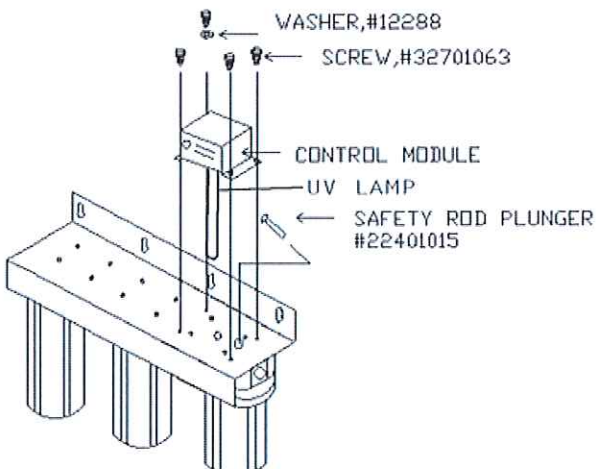


Figure 1B - * UVB-3 model shown

INSTALL QUARTZ SLEEVE AND DISINFECT SYSTEM

Check page 20 for pictures of Quartz Sleeve.

CAUTION: QUARTZ SLEEVE IS VERY FRAGILE!

For safety, wear a protective glove when handling quartz sleeve. Do not touch quartz sleeve or UV lamp with bare hands. Fingerprints will reduce the effectiveness of the light.

NOTE: All Items refer to Figure 1.

1. Remove Sump (Item 1) from UV Head (Item 5).

NOTE: Do not remove protective plastic bag from quartz sleeve until so instructed.

2. Remove Quartz Sleeve (Item 17) from packing tube. While holding middle of quartz sleeve with one hand, slide protective bag with other hand to expose open end.

3. Place a small amount of silicone based "O" ring lubricant on the outside of the open end of the quartz sleeve only on the area that will engage with the "O" ring.

CAUTION: Apply even pressure to push the quartz sleeve into the UV head. To avoid breakage, make sure quartz sleeve goes in straight by pushing it with a slight twisting motion.

4. Insert quartz sleeve into the UV head. As quartz sleeve passes the "O" Ring (Item 15), resistance will be felt. Remove protective bag from quartz sleeve.

5. Remove EPCB™ Carbon Filter (Item 3) and EPCB™ Sleeve (Item 24) from sump and set aside.

6. **For UVB2 and UVB3 Models only:** Remove Sump (Item 1) from Filter Head (Item 20). Remove Filters (Items 21 and 23) from sump and set aside.

7. Disinfect the system (Pages 18-19, Steps 1-7).

INSTALL ULTRAVIOLET LIGHT AND FILTERS

1. Remove Sump (Item 1) from UV Head (Item 5).

NOTE: Wipe all fingerprints and excessive lubricant from quartz sleeve with isopropyl alcohol.

2. Install EPCB™ Sleeve (Item 24) into EPCB™ Carbon Filter (Item 3) as shown in Figure 1.

3. Insert filter/sleeve assembly into sump as shown in Figure 1 with both Filter Gaskets (Item 4) in place.

CAUTION: TIGHTEN SUMPS BY HAND ONLY. Do not use tools as they will over-tighten and may damage sump. Take care not to cut or pinch "O" Rings (Item 2). Use sump wrench for removal only.

4. Being careful not to dislodge quartz sleeve, install sump with filter/sleeve assembly onto UV head.

5. **For UVB2 & UVB3 Models only:** Remove Sump (Item 1) from Filter Head (Item 20). Install Filters (Items 21 and 23) as shown in Figure 1. Install sump onto filter head.

CAUTION: DO NOT INSTALL A DAMAGED LAMP

INSTALL CONTROL MODULE AND UV LAMP

NOTE: Hold UV lamp by ceramic ends only. Do not touch the glass. Clean with isopropyl alcohol if necessary.

6. Remove UV Lamp (Item 16) from packing tube and inspect it for damage. If damage is found, contact the dealer for a replacement.

The UVB control module installation kit includes:

- a. Control Module – Qty 1
- b. Screws , 6/32 X 3/8" (Part# 32701063) - Qty 4
- c. Washer, Lock , #8 (Part# 12288) - Qty 1
- d. Safety Rod Plunger (Part # 22401015) – Qty 1 (ONLY FOR SYSTEMS WITHOUT THE LAMP OUT CIRCUIT OPTION)
- e. Installation Guide (#54752)

7. Unpack the carton box and verify that all the required components have been received.

8. Connect UV lamp into four-pin socket located at the bottom of UV Control Module (Item 10).

9. Verify Safety Plunger Rod (Item 18) is in place.

NOTE: System with Light-Out Circuit (LOC) does not have a safety plunger rod.

10. Carefully insert the UV control module with UV lamp through mounting bracket into the quartz sleeve.
11. Install the UVB control module on top of the ultraviolet disinfection system's bracket with four screws and one lock washer (for grounding purpose) as shown in the Figure* 1A.
12. For UVB series ultraviolet disinfection systems without the lamp out circuit (LOC) option, install the safety rod plunger as shown in the Figure* 1B.

ACTIVATE SYSTEM

CAUTION: Verify that inlet and outlet ports are connected to appropriate inlet/outlet pipes (see Figure 1).

1. Plug system into an electrical outlet. If the LED Indicator (Item 8) does not light up within one minute, verify UV lamp is securely plugged into UV control module and safety plunger rod is in place (see Note in Step 9 above). It is normal for the LED indicator to flicker slightly.

NOTE: The UV lamp should remain on at all times during use because; repeated starting of UV lamp shortens lamp life, and UV lamp requires a warm up period of 1-2 minutes.

2. Turn on water supply and check for leaks.

3. Flush system, connectors, and water lines for several minutes to remove carbon fines.

NOTE: When an ultraviolet water treatment system is unused for several hours, water within system could become warm. This is a dispense water from system.

NOTE: System is now ready for use.

| Service Requirements | Recommended Service Intervals |
|---|---|
| <p>To ensure the system operates at its optimum level, certain routine maintenance must be performed. Frequency of maintenance performance will depend on source water quality and level of system usage.</p> <p>CLEAN: Each time filters are replaced.</p> <p>DISINFECT: At least once a year.</p> | <p>UV Lamp #11: Change Annually</p> <p>Quartz Sleeve #11: Clean when changing filters. Replace only if damaged or cannot be cleaned by non-abrasive methods.</p> <p>Filters: Normal life 4-6 months. Filter life will vary due to water conditions. A reduced flow rate or deteriorating water quality indicates that filters must be changed.</p> |

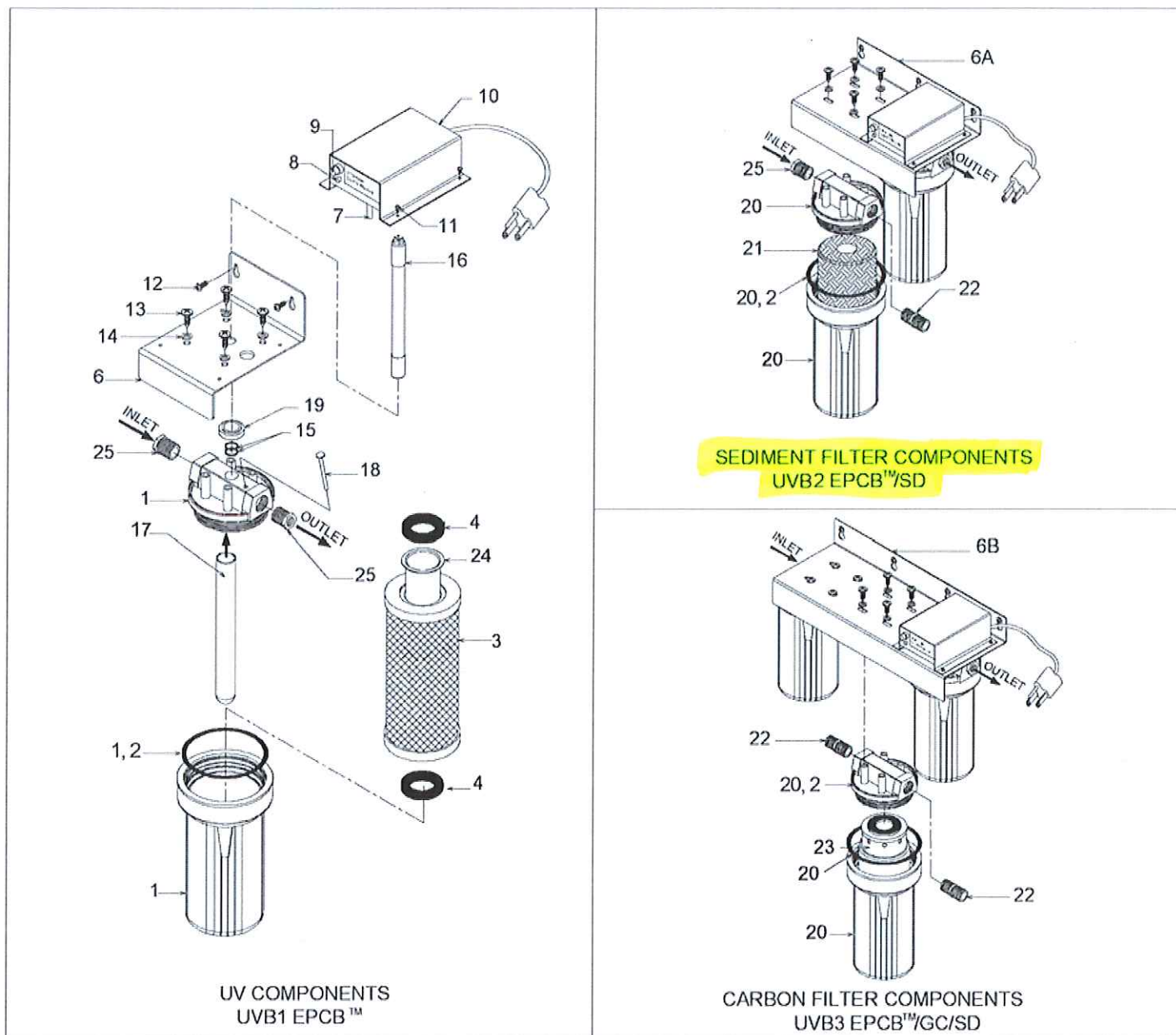


Figure 1 Exploded Schematic, PURA UVB Series

| Parts List - UVB Series | | | | | | | | |
|-------------------------|---|----------|------|-----------------------------------|-----------|------|---|----------|
| Item | Description | Part No. | Item | Description | Part No. | Item | Description | Part No. |
| 1 | Sump, #10 ("O" Ring, Sump #10/20 Head UV #10/20 Assy) | 92502 | 9 | Fuse, 1A Type 3AG | 31000006 | 19 | Spacer, Bushing #10/20 | 22401016 |
| 2 | "O" Ring, Housing, UVB | 92513 | 10 | Module, UV Control #11 | 40200116† | 20 | Head, Filter 3/4" #10/20, "O" Ring, Sump, Filter #10/20 | 92501 |
| 3 | Filter, Carbon EPCB™ 10" | 33004030 | 11 | Screw, 6/32 x 3/8" | 32701063 | 21 | Filter, Sediment 10" 5 micron | 33003051 |
| 4 | Gasket, c/w Filter | ----- | 12 | Screw, #10 x 3/4" | 32701006 | 22 | Nipple, 3/4" | 33601023 |
| 6 | Mounting Bracket, 1 Sump | 31910101 | 13 | Screw, 1/4" x 1-1/2" | 32701061 | 23 | Filter, GC 10" 5 micron | 33004024 |
| 6A | Mounting Bracket, 2 Sump | 31910201 | 14 | Washer, #14 Nylon | 32800031 | 24 | Sleeve, Teflon | 30120506 |
| 6B | Mounting Bracket, 3 Sump | 31910301 | 15 | "O" Ring, Quartz Sleeve, Standard | 34202021 | 25 | Bushing, 3/4" x 3/8" | 33300017 |
| 7 | Switch, Safety | ----- | 16 | Lamp, UV #11 | 36002017 | n/s‡ | Wrench, Sump #10/20 | 92508 |
| 8 | Indicator, LED | ----- | 17 | Sleeve Quartz #11 w/"O" Rings | 36003034 | | | |
| | | | 18 | Rod, Safety Plunger | 22401015 | | | |

† Consult Factory to determine part number for applications other than 120V/60hz ‡ not shown

CLEANING, DISINFECTING, AND ROUTINE MAINTENANCE PROCEDURE

| RECOMMENDATIONS | | |
|---|---|---|
| HAVE ALL COMPONENTS ON HAND AND READY BEFORE BEGINNING PROCEDURE A CLEAN WORK AREA AND EQUIPMENT ARE ESSENTIAL TO PROPERLY CLEAN AND/OR DISINFECT THE SYSTEM (i.e., CLEAN HANDS, TOOLS, WORK SURFACE, AND CONTAINERS) | | |
| EQUIPMENT NEEDED | | |
| Safety Glasses Rubber Gloves, Sanitary Wash Cloth, Clean and Lint-Free | Liquid Dish Soap Household Bleach – Unscented Only (5 ¼% Sodium Hypochlorite) | Plastic Bucket “O” Ring Lubricant, Silicone Based |
| REPLACEMENT FILTERS | | REPLACEMENT UV COMPONENTS |
| Refer to system Parts List for specific component part numbers. | | Refer to system Parts List for specific component part numbers. |

CLEANING PROCEDURE

NOTE: Refer to individual System Assembly and Activation Procedures to identify specific components matching the descriptions shown in this procedure.

1. Disconnect system from electrical outlet.
2. Mix a mild cleaning solution of dish soap and clean potable water in the plastic bucket.
3. Close feed water supply valve and open downstream faucet to relieve system pressure.

CAUTION: Do not attempt to remove sumps until water flow stops. This reduces pressure inside the system so sumps may be safely removed.

NOTE: *For UVB and UV1 Models only:* Remove and save Teflon Sleeve as it will be used again with replacement EPCB™ Carbon Filter.

4. Remove each sump. Remove each filter as its sump is removed. Discard the filters. Use sump wrench to remove stubborn sumps.

NOTE: Use sanitary rubber gloves for this procedure to avoid contaminating cleaning solution or filters. Wear gloves whenever cleaning components or handling new filters.

5. Clean quartz sleeve carefully using vinegar to remove hardness. Do not use abrasive materials. Rinse sleeve thoroughly with clean potable water. Replace any sleeve that is damaged or will not come completely clean.
6. Remove sump “O” rings and wash with cleaning solution. Rinse them well with clean potable water. Inspect “O” rings for damage (i.e., nicks or scratches). Replace damaged “O” rings.

CAUTION: Use care when cleaning UV head. Do not get the UV control module or connectors wet.

7. Clean sumps and heads, inside and outside with washcloth and cleaning solution. Do not use abrasive materials.

8. Rinse sumps and heads with clean potable water.

9. *For UV20 Model only:* Clean and rinse the Stainless Steel Channeling Sleeve (Item 3) and Sleeve Gasket (Item 4) shown in Figure 2.

10. Inspect head and sump “O” ring groove area for damage (i.e., nicks or scratches). Replace damaged components.

11. Place a small amount of silicone based “O” ring lubricant on the filter sump “O” ring. Install the “O” ring into the filter sump groove.

DISINFECTION PROCEDURE

CAUTION: WEAR SAFETY GLASSES AND SANITARY RUBBER GLOVES WHILE PERFORMING THIS PROCEDURE.

CAUTION: EXCESSIVE CONCENTRATIONS OF BLEACH WILL DAMAGE PLASTIC AND RUBBER COMPONENTS. Rinse all parts that contact bleach thoroughly with clean potable water.

CAUTION: Read the “WARNINGS” on the bleach container before using.

CAUTION: Handle sanitizing solution carefully. Avoid contact with unprotected areas.

1. Disconnect system from electrical outlet.

2. Mix sanitizing solution:

a. *For UVB, UV1, and Addon Models only:*

Mix 59 ml (1/4 cup) of household bleach and 177 ml (3/4 cup) of clean, potable water in the bucket. Mix the solution well.

b. *For UV20 and UVBB Models only:*

Mix 237 ml (1 cup) of household bleach and 237 ml (1 cup) of clean, potable water in the bucket. Mix the solution well.

CAUTION: Use care when sanitizing UV head. Do not get the UV control module or connectors wet.

CAUTION: TIGHTEN SUMPS BY HAND ONLY. Do not use tools as they will over-tighten and may damage sump. Take care not to cut or pinch “O” rings or gaskets. Use sump wrench for removal only.

3. Add sanitizing solution into system:

a. *For UVB, UV1, and Addon Models only:*

Add 237 ml (1 cup) of sanitizing solution to the sump that contains the UV lamp.

b. *For UV20 and UVBB Models only:*

Add 473 ml (2 cups) of sanitizing solution to the sump that contains the UV lamp.

CLEANING, DISINFECTING, AND ROUTINE MAINTENANCE PROCEDURE Cont'd

4. Slowly open the feed water supply valve.
 5. Open all downstream faucets. Keep faucets open until a chlorine smell is detected at each faucet, then close faucets.
- NOTE:** Water lines downstream from UV housing must be disinfected to destroy any bacteria that might remain in the pipes.
6. Verify disinfection solution has reached every water outlet downstream of UV system. **Solution must remain in the system for at least four hours.**
 7. Open outlet valve and let water flow for 5 minutes to flush disinfection solution from the water lines.

ROUTINE MAINTENANCE

FILTER REPLACEMENT PROCEDURE

1. Perform Cleaning Procedure (Page 18, steps 1-11).

NOTE: Do not remove protective plastic bag from filters. Open bottom of bag only enough to expose bottom of filter.

NOTE: Refer to Exploded Schematic for your system to ensure each filter is installed in the correct position.

NOTE: **For UVB and UV1 Models only:** Refer to the Exploded Schematic to ensure proper position of Teflon Sleeve removed in Cleaning Procedure.

2. Install the filters into the appropriate sump. Hold filter by its protective plastic bag and insert the filter into the sump.

CAUTION: **For UVBB Model only:** Be sure sump with metal liner is installed onto UV head.

CAUTION: TIGHTEN SUMPS BY HAND ONLY. Do not use tools as they will over-tighten and may damage sump. Take care not to cut or pinch "O" rings or gaskets. Use sump wrench for removal only.

3. Slide bag from filter and discard. Replace each sump as each filter is installed.
4. Plug system into electrical outlet. Turn on water supply and check for leaks. Flush system for several minutes to remove carbon fines.

ROUTINE MAINTENANCE

UV LAMP REPLACEMENT PROCEDURE

NOTE: Refer to individual System Assembly and Activation Procedures to identify specific components matching the descriptions shown in this procedure.

1. Disconnect system from electrical outlet.
2. Shut feed water supply valve and open downstream faucet to relieve system pressure.

CAUTION: Do not attempt to remove sumps until water flow stops. This reduces pressure inside the system so sumps may be safely removed.

CAUTION: Use care when sanitizing UV head. Do not get the UV control module or connectors wet.

3. Remove sump from UV head and set aside.

CAUTION: Do not touch quartz sleeve or UV lamp with bare hands. Fingerprints will reduce the effectiveness of the light.

WARNING: Do Not Attempt to Remove Quartz Sleeve.
Damage to system and personal injury may occur if the sleeve is removed incorrectly. Contact your dealer if quartz sleeve is broken or needs replacement.

4. Clean quartz sleeve carefully using vinegar to remove hardness. Do not use abrasive materials. Rinse sleeve thoroughly with clean potable water. Replace any sleeve that is damaged or that will not come completely clean.

5. Gain access to UV lamp:

- a. **For UVB, UV20, and UVBB Models only:** Remove UV Control Module (Item 10) from Mounting Bracket (Item 6, 6A, 6B) by removing four Screws (Item 11).
- b. **For UV1 Model only:** Loosen Screw (Item 9) securing slotted side of UV Lamp Retainer (Item 7). Remove other screw securing UV lamp retainer to UV head. Rotate bracket away from UV lamp. Remove and slide Finish Cap (Item 12) on cable towards UV control.

6. Remove UV lamp from system being careful not to break UV lamp or dislodge quartz sleeve:

- a. **For UVB and UV20 Models only:** Remove UV control module with UV lamp by gently lifting control module straight up from mounting bracket. Grasp UV lamp firmly and remove lamp from the four-pin socket.
- b. **For UVBB Model only:** Remove UV control module with UV lamp by lifting the control module straight up from mounting bracket. The four-pin socket is attached to the UV control module by a short cable that allows for correct insertion depth. Grasp UV lamp and four-pin socket firmly and separate lamp from connector.
- c. **For UV1 and Addon Models Only:** Remove UV lamp by gently lifting the cable connecting the four-pin socket to the UV lamp. Grasp UV lamp and four-pin socket firmly and separate lamp from connector. During replacement, be sure UV lamp is inserted as far as possible into the quartz sleeve.

NOTE: The inside of quartz sleeve must be completely dry before installing the replacement UV lamp.

NOTE: Hold replacement UV lamp by the ceramic ends only. Do not touch the glass. Clean glass with isopropyl alcohol if necessary.

7. Install the replacement UV lamp by reversing steps 5 and 6 of this procedure.

INSTALL QUARTZ SLEEVE

CAUTION: QUARTZ SLEEVE IS VERY FRAGILE!

For safety, wear a protective glove when handling quartz sleeve. Do not touch quartz sleeve or UV lamp with bare hands. Fingerprints will reduce the effectiveness of the light.

1. Remove Sump from UV Head.



NOTE: Do not remove protective plastic bag from quartz sleeve until so instructed.

2. Remove Quartz Sleeve from packing tube. While holding middle of quartz sleeve with one hand, slide protective bag with other hand to expose open end.



3. Place a small amount of silicone based "O" ring lubricant supplied in the small packet on the outside of the open end of the quartz sleeve only on the area that will engage with the "O" ring.



CAUTION: Apply even pressure to push the quartz sleeve into the UV head. To avoid breakage, make sure quartz sleeve goes in straight by pushing it with a slight twisting motion.

4. Insert quartz sleeve into the UV head. As quartz sleeve passes "O" Rings, resistance will be felt. Remove protective bag from quartz sleeve.



O-RING REQUIRED FOR QUARTZ SLEEVE REPLACEMENT

| Replacement Quartz Sleeve | UV Model Number | # of O-Ring In Old Style UV Cap | # of O-Ring In New Style UV Cap | Date of Change |
|---------------------------|-----------------|---------------------------------|---------------------------------|--------------------|
| 36003033 | UV1 | 2 | 2 | 1st May, 2007 |
| 36003034 | UVB | 2 | 1 | 9th April, 2009 |
| 36003034 | ADDON1 | 2 | 2 | No Change |
| 36003035 | UV20 | 2 | 1 | 8th May, 2009 |
| 36003035 | ADDON3 | 2 | 2 | No Change |
| 36003036 | UVBB | 3 | 3 | 15th October, 2008 |



PURA® LIMITED WARRANTY

Subject to the conditions and limitations described below, the manufacturer warrants its ultraviolet drinking water systems ("Product") (excluding filters) when installed in accordance with PURA® specifications, to be free from defects in materials and workmanship under normal use within the operating specifications for a period of (3) years from the date of purchase with the exception of the electrical components which are warranted for (1) year. This warranty shall apply only to the original end-user of the Product.

If the Product or any warranted component is found defective, the manufacturer, at its sole option, will repair or replace such Product or warranted component, or will refund all or a pro-rata portion of the Product's purchase price. You pay only freight for repaired or replaced parts from our factory and local dealer charges, including but not limited to labor charges, travel and transportation expenses, and handling fees.

This warranty shall not apply to any part damaged by accident, fire, flood, freezing, Act of God, bacterial attack, filter fouling and/or scaling, sediment, misapplication, neglect, alteration, installation, or operation contrary to our printed instructions, or by use of accessories or components which do not meet PURA specifications. If the drinking water system is modified by anyone other than an authorized PURA dealer, the warranty shall be void.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE PERIOD SPECIFIED ABOVE FOR PRODUCT AND COMPONENTS DESCRIBED IN THIS LIMITED WARRANTY.

As a manufacturer, we do not know the characteristics of your water supply. The quality of water supplies may vary seasonally or over a period of time. Your water usage may vary as well. Water characteristics can also change if the Product is moved to a new location. For these reasons, we assume no liability for the determination of the proper equipment necessary to meet your requirements, and we do not authorize others to assume such obligations for us. Further, we assume no liability and extend no warranties, expressed or implied, for the use of this product with a water source that does not meet the Conditions For Use in the Installation Guide & Owner's Manual.

THE MANUFACTURER'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED TO THE REPAIR OR REPLACEMENT OF THE FAILED PRODUCT OR COMPONENTS OR THE REFUND OF THE PURCHASE PRICE (AT WATERGROUP'S OPTION), AND WE ASSUME NO LIABILITY WHATSOEVER FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, GENERAL, OR OTHER DAMAGES, WHETHER FROM CORROSION OR OTHER CAUSES.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Similarly, some states do not allow exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Consult your authorized PURA Dealer for warranty and service information.

For parts and service, contact: