

# CARE AND OPERATING INSTRUCTIONS FOR UV CLARIFIER

**WARNING! TURN OFF THE POWER BEFORE HANDLING OR SERVICING THE UNIT.**  
**DANGER! NEVER LOOK DIRECTLY AT THE LAMP RAYS.**

The UV lamp and quartz sleeve are not installed and are located in separate boxes inside the main carton. When handling the UV lamp, do not touch the glass bulb. Either hold the ceramic ends or, preferably, wear gloves. To install the UV lamp, align the center slot and pins with the mating connector inside the transformer (*photo #1*) and push the lamp firmly (*photo #2*). To install the quartz sleeve, insert the closed round end into the tube adapter (*photo #3*) until the rubber gasket is all the way down in the adapter. A flange will prevent the ring from going any further and it will rest against the tube adapter.



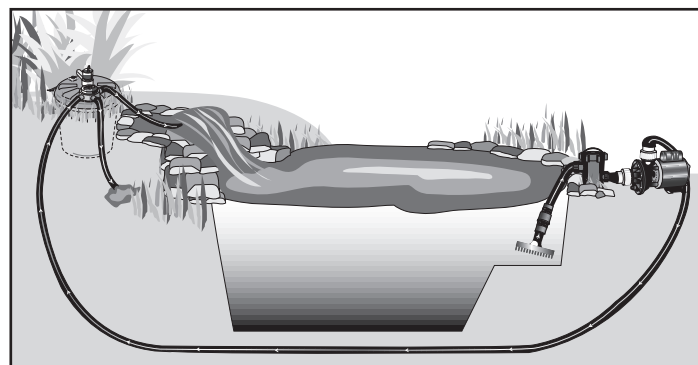
Place the agitator handle over the tube adapter and slide the lamp and transformer into the quartz sleeve. Lightly hand-tighten the transformer into the tube adapter (*photo #4*). **DO NOT OVER-TIGHTEN.**

To remove the sleeve for cleaning, take a thin screwdriver or kitchen knife and pry between the rubber flange and tube adapter until it lifts up (*photo #5*). Take hold of the sleeve and pull it straight out. If it is difficult to remove, separate the top cover from the canister and then push it out from the underside.

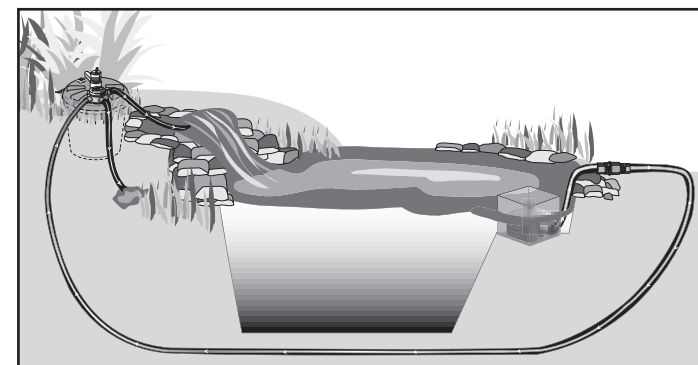
**NOTE: It helps to lubricate the black rubber gasket with silicone grease when reinstalling the quartz sleeve.**

**PLEASE NOTE that the clear plastic parts on the filter transmit visible light only, which is safe to look at. This indicates that the unit is working, however, the lamp will produce visible light long after it has stopped producing effective UV light. For the best performance, the lamp should be replaced every year because it slowly degrades with use.**

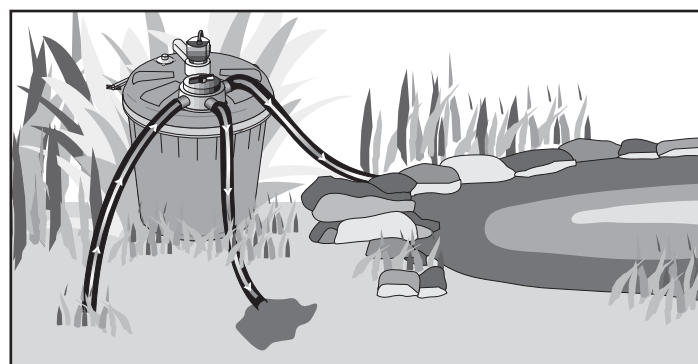
## INSTALLATION



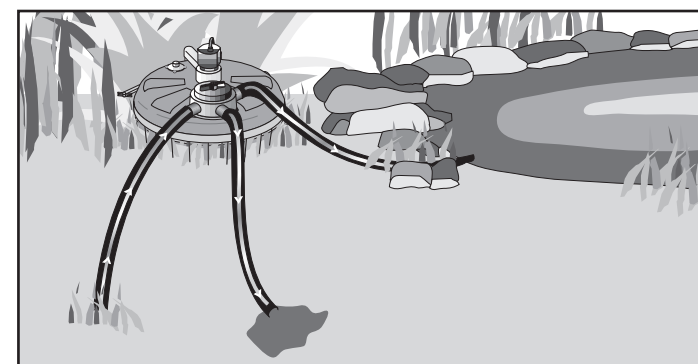
A typical installation using an external pump.



A typical installation using a submersible pump in a skimmer box.



Typical above-ground installation.



Typical in-ground installation.

**WARNING! PONDS ARE DANGEROUS TO SMALL CHILDREN NEVER LEAVE CHILDREN UNSUPERVISED NEAR A POND!**

## REPLACEMENT PARTS

| Replacement Parts                                      | Models                 | Item#  |
|--|------------------------|--------|
| O-Ring Kit   | All Models             | #15020 |
| Bottom Drain Kit                                       | All Models             | #15010 |
| Pressure Gauge   | All Models             | #15025 |
| Female Ball Valve used on Waste port (1-1/2" x 1-1/2") | All Models             | #12927 |
| 10W Replacement Bulb                                   | Model # 05015 PUV-1000 | #12971 |
| 20W Replacement Bulb                                   | Model # 05025 PUV-2000 | #12972 |
| 40W Replacement Bulb                                   | Model # 05045 PUV-4000 | #12974 |
| 10W Replacement Sleeve                                 | Model # 05015 PUV-1000 | #12981 |
| 20W Replacement Sleeve                                 | Model # 05025 PUV-2000 | #12982 |
| 40W Replacement Sleeve                                 | Model # 05045 PUV-4000 | #12984 |
| 10W UV Replacement Ballast                             | Model # 05015 PUV-1000 | #12991 |
| 20W UV Replacement Ballast                             | Model # 05025 PUV-2000 | #12992 |
| 40W UV Replacement Ballast                             | Model # 05045 PUV-4000 | #12994 |

## WARNING!

This unit is for seasonal use only. It should not be used in freezing conditions because the quartz tube will crack, permitting live electrical current to enter the water. If the unit is dropped, unplug it and inspect the quartz sleeve for breakage or small cracks. Do not use until this inspection has been carried out.

The UV lamp has a projected life of 9,000 hours, which means that if you use the light continuously for 6 months per year, in most regions of the country, it will last two years. The unit should remain on 24 hours a day throughout the season. For the best possible performance, replacement of the lamp is recommended every year because it slowly degrades with use. Remember the lamp will produce visible light long after it has stopped producing the UV wavelength.

The quartz sleeve should be cleaned periodically to eliminate dirt or lime scale build-up that will block the UV light and reduce its efficiency. Clean the quartz tube with vinegar and a scrub pad. It is recommended to replace the tube whenever you replace the bulb. Lubricate the black rubber gasket with silicone grease when reinstalling the quartz sleeve.



## ELECTRICAL PRECAUTIONS

Always use a properly grounded outlet. Do not immerse the plug in water. **DO NOT REACH INTO THE WATER TO REMOVE THE PLUG. TURN OFF CIRCUIT FIRST.** A "drip loop" in the cord should be used. A "drip loop" is a loop in the cord below the level of the receptacle or plug that prevents water from traveling along the cord. The national Electric Code requires that a ground fault circuit interrupter (GFCI) be installed in the branch circuit supplying the fountain or pond equipment. Your dealer can supply GFCI units. **NEVER REMOVE GROUND PIN FROM PLUG.**

**WARNING: FOR YOUR PROTECTION, ALWAYS UNPLUG THE UNIT FROM ITS POWER SOURCE BEFORE INSTALLING OR SERVICING. DO NOT REACH, REMOVE, OR DISASSEMBLE BEFORE YOU DISCONNECT POWER.**

## WARRANTY

Pondmaster Filtration systems are warranted against failure due to defects in materials and/or workmanship for one year from the date of purchase. This warranty covers defects occurring under normal use and applies to the original purchaser at retail and may not be transferred. The warranty and remedies set forth herein are conditional upon proper storage, installation, use, maintenance and conformance with the applicable use. It will be based upon Danner Mfg. discretion as to whether the defects are of manufacturing origin. Any damages due to improper installation are not covered by this warranty.

This warranty does not apply to appearance or accessory items. This warranty does not include damage due to handling, transportation, unpacking, set up, installation, repair or replacement of parts supplied by any other than Danner Mfg., improper maintenance, modification, or repairs by the purchaser, abuse, misuse, neglect, accident, fire, flood, or other acts of God.

Any oral statements about product made by the seller, the manufacturer, their representatives or any other parties do not constitute warranties and shall not be relied upon by the user and are not part of this contract.

Neither the seller nor the manufacturer shall be liable for any injury, loss or damages, direct, incidental or consequential including but not limited to incidental or consequential damage for lost profits, lost sales, injury, and inability to use the product and the user agrees that no other remedy is available.

Before using, the user shall determine the suitability of the product for their intended use and the user shall assume all risk liability whatsoever in connection therewith.

To validate this warranty keep your proof of purchase (copy of sales receipt).

Warranty covers the repair or prorated replacement of the Danner Mfg. products. Danner Mfg. denies all liability for any other loss including but not limited to loss of equipment, income, livestock or personal injury.

## THE FOLLOWING VOIDS WARRANTY:

**PRODUCT LABELS ARE DEFACED OR REMOVED. PRODUCT IS IMPROPERLY INSTALLED OR MAINTAINED BY THE USER OR THEIR AGENT. PRODUCT IS ABUSED, MISUSED, OR DAMAGED BY THE USER OR THEIR AGENT. PRODUCT DAMAGE IS CAUSED BY OVER-TIGHTENING FITTINGS ON THE VALVE PORTS. USING ANY SEALANT OTHER THAN TEFLON TAPE ON THE VALVE. USING ANY LUBRICANT ON THE O-RING OTHER THAN SILICONE GREASE.**