



# Simply Clear

Pressure Filter with UV  
Owner's Manual



Anjon Manufacturing  
1000 Liberty Industrial Drive  
O'Fallon, MO 63366

1-800-553-5605  
[www.anjonmfg.com](http://www.anjonmfg.com)

Anjon Simply Clear™ Pressure Filters with UV are carefully tested and certified to ensure both safety and operating performance. Failure to follow the instructions and warning in this manual may result in filter damage or serious injury. Be sure to read, thoroughly understand, and save this manual for future reference.

## **INSTRUCTIONS**

1. The filter has been designed to be used outdoors, but it does not have to be submerged.
2. Do not plug-in or otherwise use this product if any part of it appears to be damaged or operates abnormally. Have the product examined and repaired, if necessary, by a qualified electrician.
3. Make a “drip loop” on the electrical cord connecting the filter to the plug by letting a portion of the cord hang lower than either the filter or the plug.
4. This product is designed to be permanently wired to a main electrical supply housed in a dry, weatherproof enclosure. This pressure filter is designed to be partially buried must be earthed.
5. Always disconnect the plug from the outlet before any maintenance or troubleshooting is performed.
6. Avoid the bulb overheating; switch it off when there is no water inside the filter.
7. Avoid the direct contact with UV-C light which can be harmful to your eyes and the skin.
8. Cleaning the filter is easy! A “pop up” indicator signals when the filter needs cleaning. Simply turn off the water pump & UV light, rotate the grey handle to the “clean” position and turn the pump on. The pressure filter will self-clean. Observe the flow of water through the visible indicator on the top of the filter and when the water runs clear the filter is properly flushed. Turn off the water pump, return the grey handle to the “work” position, turn the pump and UV light on and the filter will continue to clean the pond water.

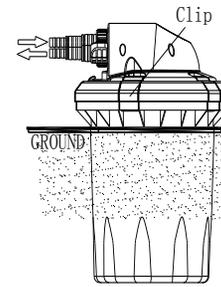


Figure 1

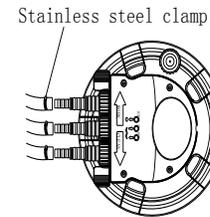


Figure 2

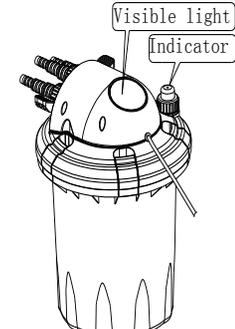


Figure 3

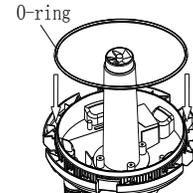


Figure 4

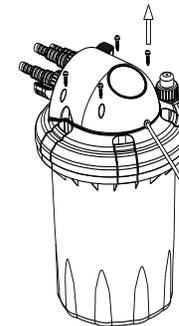


Figure 5

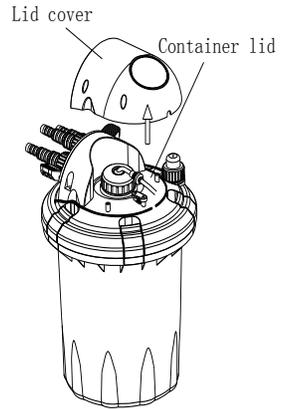


Figure 6

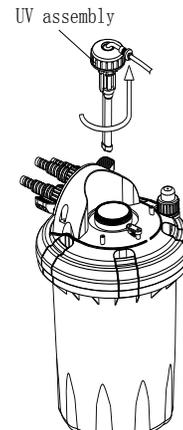


Figure 7

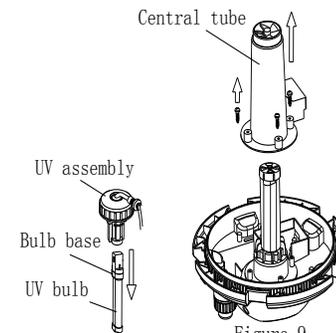


Figure 8

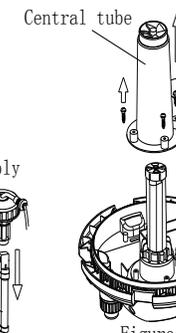


Figure 9

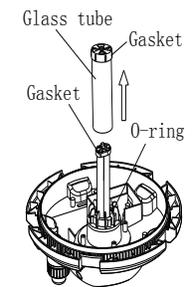


Figure 10

## **WARRANTY**

Anjon Manufacturing (Anjon) warrants to you, the original purchaser, that the products listed below will be repaired or replaced free of charge if it fails to work due to defects in material and workmanship within a period of 2 years from the date of original purchase.

### **Simply Clear™ Pressure Filter with UV Models: SC-1000, SC2000**

An additional 2 years of warranty protection is extended to you, the original purchaser, when this product is registered online within 30 days of the date of original purchase at [www.anjonmfg.com/warranty](http://www.anjonmfg.com/warranty).

This warranty is subject to the following terms and conditions:

- 1.) Should it be necessary to return the product during the warranty period, it may be shipped, at the owner's expense, to Anjon Manufacturing, Warranty Services, 1000 Liberty Industrial Drive, O'Fallon, MO 63366. Warranty claims must be accompanied by proof of purchase, either written or by prior registration of the product at [www.anjonmfg.com/warranty](http://www.anjonmfg.com/warranty).
- 2.) Anjon's decision on all questions related to alleged defects and repair shall be conclusive,
- 3.) Repair parts or replacement product will be given on an exchange basis and will either be new, equivalent to new, or reconditioned. All customer returned parts or products we replace become the property of Anjon.
- 4.) The warranty or extended warranty protection does not cover normal wear and tear, nor any deterioration suffered through freezing water in the product, improper use, negligence or accident. Similarly, modifications made to this product by the purchaser or installer shall invalidate this warranty.
- 5.) This warranty does not cover UV bulbs (unless damaged or broken in shipping from Anjon to the original purchaser), filter media or bio balls.
- 6.) This warranty does not invalidate your statutory rights, but preserves your full benefits.
- 7.) Anjon does not assume and will not accept liability for compensation for any loss or damage whatsoever sustained by the purchaser.

## **How does it work**

1. Stage 1-Mechanical Filtration  
Water is pumped into the filter creating the necessary pressure to begin the mechanical filtration stage. There are two phases in the mechanical filtration stage-coarse and fine filtration. Each phase uses a specially designed foam sponge to effectively remove all sizes of unwanted debris
2. Stage 2 – Biological Filtration  
The biological filtration stage begins when water reaches the bottom of the filter. This stage uses bio-balls providing a habitat for beneficial bacteria to grow. These bacteria naturally convert harmful ammonia and other wastes into healthy nitrates that fertilize aquatic plants and support a healthy pond environment
3. Stage 3 – UV Filtration  
The final filtering stage uses Ultra- Violet (UV) light from a bulb located in the middle of your filter. Exposure to the UV light kills algae as the water passes upward through the filter on its way back to your pond.

## **INSTALLATION**

1. Choose a suitable place to install the filter An ideal location for the filter is on a flat, level out of sight surface near the pond. Dig a six inch deep channel from the lower basin to the filter and from the upper basin or waterfall to the filter. This channel will allow you to bury and conceal the tubing once connected. You will also need to dig a hole to partially bury the bio-filter, keeping it in an upright and level position. The filter can be buried in the ground up to the filter clips. (See figure 1)
2. Connect your pump to the barbed connector marked "in" by the schematic drawing on the top of the filter. Lay the tubing in the channel. Attach the tubing for the upper basin or waterfall to the barbed connector marked "out" and lay it in the channel leading to the upper pond basin. Attach the flushing discharge tube to the fitting marked "dirty" and route it away from your pond, trenching as necessary, to carry grey water away from your pond. Use stainless steel clamps to create water tight seals at all tubing connections (filter and pump). (See figure 2)  

Note: The barbed fittings included with the filter are sized to accept kink-free hose. If flexible PVC pipe is used to connect the filter it may be necessary to replace these fittings with standard Schedule 40 PVC pipe fittings to attain a watertight seal. These fittings are readily available at home and hardware stores, plumbing supply houses or a local landscape contractor.
3. The correct functioning of the UV-C bulb is indicated by the lighting visible on the top of the outer lid. (See figure 3)
4. After submerging the pump in water, turn it on check both the pump and bio-filter performance.

## **MAINTENANCE**

1. Your filter is designed to let you know when filtration performance declines. Your filter is equipped with a color-coded pressure indicator located on the container lid. When your filter is operating effectively, the pressure indicator will display green. If flow rate within your filter drops, performance also declines and the pressure indicator will display RED.(See figure 3)
2. The filter can be opened and the individual filter components can be cleaned and washed manually. Unlatch the clips and remove the container lid.
3. Wash the filter sponge with clean tap water. The bio-balls should only be cleaned if they are highly contaminated and you should only use pond water to preserve the microorganisms and keep the filter biologically active.
4. When reassembling the device, make sure the o-ring is correctly positioned for a watertight seal (See figure 4). If the seal is out of place or missing there will be significant leakage when filter is operating.

## **CHANGING THE BULB**

If algae begins to proliferate it is necessary to check the correct the functioning of the UV-C bulb.

1. To change bulb, first unplug the pump and bio-filter from its power source. Rotate the lid cover, until the arrows on the lid cover aim at the arrow on the ring holder (See figure 5). Remove the lid cover from the top of container lid(See figure 6). Unscrew the UV light assembly counterclockwise and gently lift out (See figure 7). Allow UV light assembly and light bulb to cool and dry completely before handling. Once cool and dry, grip the base of the bulb with a dry cloth and gently pull the bulb from the assembly unit (do not pull on the bulb by gripping the glass element)(See figure 8).Slide new bulb into place until properly seated. Do not test UV light until the filter has been completely reassembled.
2. If the bulb works correctly the grass quartz tube where the bulb is placed must be cleaned, make sure the appliance is switched (pump and bulb).Open the container lid, remove the central tube which connect to the lid (See figure 9), extract the glass tube, remove possible calcareous deposits on the tube using a suitable product. Then reassemble all the parts making sure that the o-rings and gaskets are correctly placed (See figure 10).