

CARTRIDGE FILTERS

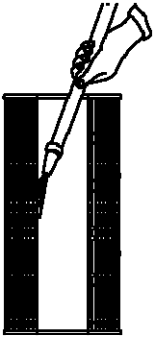


Cartridge filters use one or more pleated elements or cartridges as the filter media to collect dirt and debris. Their unique advantages are minimal maintenance and less water loss than filters requiring backwashing. The cartridge element itself is removed and cleaned, generally every 6 months or 1 to 2 times per season. Cartridge filters utilize the debris they collect as an aid to improve filtration. As a result, cleaning too often does not allow the filter to work at optimum filtration efficiency, while not cleaning often enough will shorten the life of a cartridge element.

When the pressure gauge rises 10 psi above the “normal” or starting reading you should follow the steps below to remove and clean the cartridge element or follow the manufacturer’s instructions provided with your filter. The cartridge elements will generally last 3 years before needing to be replaced (or when cleaning no longer allows adequate flow and reduced pressure).



General Cleaning Instructions for Cartridge filters



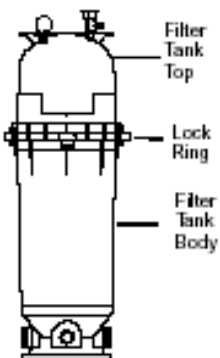
1. Shut off pump & motor.
2. **IMPORTANT** Release pressure in the tank by loosening the air relief bleeder valve.
3. Squeeze tabs on black ring in middle of the filter and unscrew lock ring off of filter.
4. Remove filter top or lid.
5. Remove cartridge element and thoroughly hose element top to bottom holding the nozzle at a 45 degree angle, and wash all the pleats with emphasis between pleats using a high-pressure hose.
6. Replace filter top and secure lock ring.

Chemical Cleaning- Periodically you will want to chemically clean the cartridge- follow steps 1-5 above then:

1. Soak the cartridge element in a Filter Cleaner or Tri Sodium Phosphate (1 cup TSP to 5 gallons water) several hours or overnight to provide a thorough cleaning.
2. Rinse cartridge element and replace in tank.
3. **IMPORTANT** Release pressure in the tank by loosening the air relief bleeder valve.
4. Replace filter top and secure lock ring.

WARNING

THIS FILTER OPERATES UNDER HIGH PRESSURE. WHEN ANY PART OF THE CIRCULATING SYSTEM (E.G. LOCK RING, PUMP, FILTER, VALVES, ETC.) IS SERVICED, AIR CAN ENTER THE SYSTEM AND BECOME PRESSURIZED. PRESSURIZED AIR CAN CAUSE THE LID TO BLOW OFF WHICH CAN RESULT IN SEVERE INJURY, DEATH, OR PROPERTY DAMAGE. TO AVOID THIS POTENTIAL HAZARD, FOLLOW THESE INSTRUCTIONS.



1. Before repositioning valves and before beginning the assembly, disassembly, or adjustment of the lock ring or any other service of the circulating system:
 - A. Turn the pump OFF and shut OFF any automatic controls to assure the system is not inadvertently started during the servicing.
 - B. Open air relief valve; and
 - C. Wait until all pressure is relieved- pressure gauge must read zero (0).
2. When installing the filter lock ring, follow the lock ring installation instructions exactly.
3. Once service on the circulating system is complete, follow system restart instructions exactly.
4. Maintain circulation system properly. Replace worn or damaged parts immediately (e.g. lock ring, pressure gauge, relief valve, o-rings, etc).
5. Be sure that the system is properly mounted and positioned according to the instructions provided in the filter system owner’s manual.

Click on your filter model to view or print the complete owner’s manual

[Black Diamond PRC series](#)

[Hydromatic Dual Cycle](#)

[Hydromatic SkimFilter](#)

[SPARCO Cartridge Filter](#)

[Waterway AquaStar](#)

[Waterway AquaClean](#)

[Waterway Clearwater II](#)

[Waterway ProClean PCCF Series](#)