

INSTALLATION, OPERATION & PARTS



▲ WARNING

This equipment must be installed and serviced by a licensed technician in accordance with all applicable codes and ordinances. Improper installation can create hazards which could result in property damage, serious injury or death. Improper installation will void the warranty. **The NOTICE label indicates special instructions that are important but not related to hazards.**

Notice to Installer

This manual contains important information about the installation, operation and safe use of this product. Once installation is complete, this manual must be given to the owner / operator of this equipment.

CHAPTER 1: IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS

1. The installation should be carried out in accordance with the safety instructions of the swimming pool and the specific instructions for each facility.
2. The user should make sure that the installation is carried out by qualified, authorized persons and that these persons have first carefully read the following instructions. Incorrectly installed equipment may fail, causing severe injury or property damage.
3. The safe operation of the filter is only guaranteed if the installation and operation instructions are correctly followed..
4. To reduce the risk of injury, do not permit children to use this product.
5. Chemical spills and fumes can weaken Swimming Pool or Spa. Corrosion can cause filters and other equipment to fail, resulting in severe injury or property damage. Do not store pool chemicals near your equipment.
6. Any modification of the filter is not authorized. The supplier assumes no liability for the damage and injuries caused by unauthorized replacement parts and accessories.

CHAPTER 2: INSTALLATION INSTRUCTIONS

▲ WARNING This product should be installed and serviced only by a qualified professional.

It is important to first determine where your pump and filter will be located. If above the water line, a self-priming pump must be used. Self-priming pumps have the ability to lift water from a lower level and prime automatically.

1. Position the filter next to the swimming pool or spa.
2. The filter should be placed on a level concrete slab, very firm ground, or equivalent. Ensure that the ground will not subside to prevent any strain to the attached plumbing.
3. Position the filter so that the piping connections, multiport valve and winter drain are easily accessible for operation, servicing and winterizing.
4. Ensure that the compliance label is facing the front to allow easy identification in the case of service difficulties.
5. If practical, place pump and filter in the shade to shield it from continuous direct heat from the sun.

Plumbing

1. Use 1-1/2 inch or 2 inch piping. When making permanent connections, be sure to provide unions for easy servicing.
2. While all systems vary, the main consideration is to provide the desired control of water flow from the pool to the pump and filter, and back to the pool. When the filter is located below water level, provide valves to prevent back flow of water to the filter during cleaning and routine servicing.
3. All plumbing on these cartridge filters are 1-1/2 inch or 2 inch Male and Female National Pipe Threading (NPT). Use plastic adapters when making threaded connections to the filter. Take the Teflon tape and wrap the male threads three times in a clockwise direction. Screw the male adapter into the female adapter with your hand till its tight. Do not overtighten as the adapters are plastic and can break.
4. Connect the pool suction plumbing between the skimmer, pool outlet, and the pump.
5. Install the pool return plumbing.
6. If pressure gauge is not installed, apply the Teflon tape to the gauge threads (see step 3) and carefully screw the threaded hole into the filter head.
7. A filter drain is furnished with each filter and is needed for complete filter draining. A manual air relief valve is furnished to aid in bleeding off unwanted air when starting the filter. The auto air relief valve provides air removal during operation.
8. All electrical connections should be made in accordance with local codes and done by a licensed professional.
9. Check for joint leaks before operating.
10. Refer to pump manual for pump information.

Starting the Filter

1. Make sure filter drain is closed. Open the manual air relief valve by turning it counter-clockwise a few times and open the suction and return valves.
▲ CAUTION All suction and discharge valves must be open when starting the system. Failure to do so could cause severe personal injury and/or property damage. Make sure locking ring is secure (hand tighten, only slight pressure is required).
2. Stand clear of the filter, prime and start the pump, following the manufacturer's pump manual.
3. Air trapped in the system will automatically vent to the pool and out the air relief valve. Close air relief valve as soon as air is vented by turning the valve clockwise.

CHAPTER 3: FILTER MAINTENANCE

Filtering

1. Filtration starts as soon as water is flowing steadily through the filter. As the filter cartridge removes dirt from the pool water, the accumulated dirt causes a resistance to flow. As a result, the gauge pressure will rise and the flow will decrease.
2. Clean or replace the cartridge filter element when the pressure rises 7-10psi above the starting pressure, or when flow decreases below desired rate.

Remove/Reinstall Cartridge Filter Element

Removing Cartridge Filter Element:

1. Shut the pump off.
2. If filter is located below water level, close valves to prevent backflow of water from the pool.
3. Open air relief valve by turning it counter-clockwise until loose.
4. Loosen drain plug so water will drain.
5. Open locking ring counter-clockwise and remove the filter element.
6. Lift out the cartridge filter element and clean or replace if needed.

Reinstalling Cartridge Filter Element:

1. Clean any collected debris from the bottom of filter body.
2. Carefully place the cartridge filter element over the tie rod and into filter body ensuring that the cartridge sits evenly on the collector hub in bottom of filter body.
3. Tighten locking ring by turning it clockwise. (Hand tighten only.)
4. Now go back to the **Starting the Filter** section and follow the remaining steps.

Cleaning Cartridge Filter Element

1. The cartridge filter element can be cleaned by pressure washing with a garden hose.
Note: The cartridge is easier to clean when dry.
2. Allow the cartridge filter element to fully dry and carefully brush pleated surface areas to remove the fine dirt and particles.
3. Algae, suntan oil and body oils can form a coating on the cartridge filter element pleats which may not be thoroughly removed by hosing. To remove such materials, use a cartridge cleaner solution to soak the cartridge filter element in. Follow the **PRECAUTIONARY STATEMENTS** and the **DIRECTIONS FOR USE** on the back label of the cleaning solution.
5. **Note:** Having a spare cartridge filter element on hand ensures that your filter will always be ready to operate at peak efficiency.

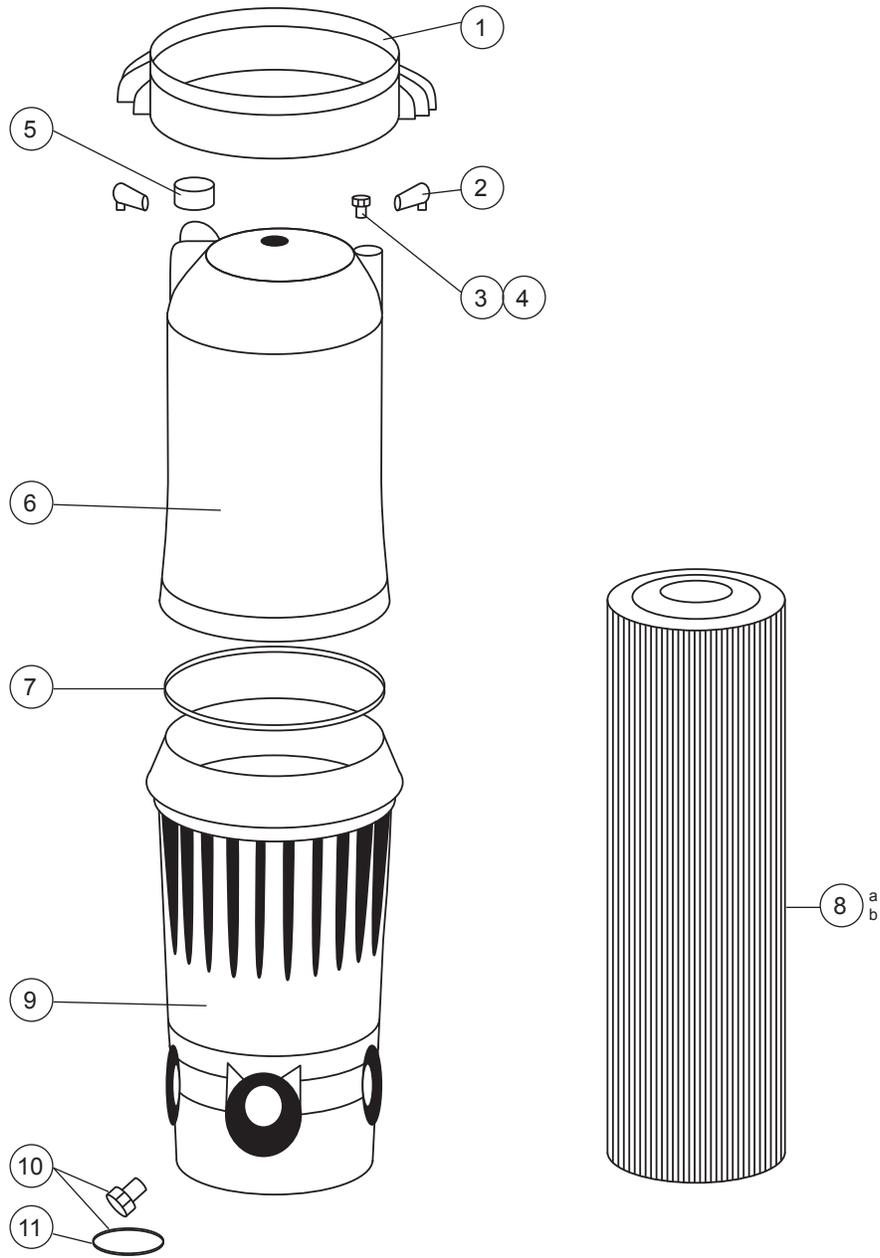
Winterizing the Filter

1. The filter should be drained and/or removed from its operating location and stored in a cool, dry place where temperatures are expected to fall below freezing.
2. Remove and clean the cartridge filter element by following the Remove/Install and Cleaning sections of this manual. Reinstall cartridge filter element in the filter tank.
3. Tighten locking ring by turning clockwise by hand.

Filter Specifications

MODEL NO.	15803	15802	15800
EFFECTIVE FILTRATION AREA	120FT ²	150FT ²	200FT ²
DESIGN-FLOW RATE	110GPM	130GPM	150GPM
MAXIMUM WORKING PRESSURE	50PSI 3.5BAR	50PSI 3.5BAR	50PSI 3.5BAR

Inground Cartridge Filter Item # 15800, 15802 & 15803



REF No.	PART NUMBER	DESCRIPTION	No. REQ'D
1	47310303080	Locking Ring	1
2	47310304080	Locking Ring Latch	1
3	48860105	Drain Plug with Gasket	1
4	5432002080	Gasket	1
5	5024002000	Pressure Gauge	1
6	47310302080	Seal Cover	1
7	5431093080	O-Ring	1
8a	5022035000	Cartridge Element for 15802	1
8b	5022037000	Cartridge Element for 15800	1
8c	502203600	Cartridge Element for 15803	1
9	473103010804	Body	1
10	9102607080	Plug with O-Ring 2 inch	1
11	5431030080	O-Ring	1

1 Year Limited Harris Pool Products® Filter Warranty

Please read installation instructions before installing pool filter

This filter was inspected before shipment from our warehouse. To original purchasers of this filter, Harris Pool Products™ 10411 80th Avenue, Pleasant Prairie, Wisconsin, warrants its products free from defects in materials and workmanship for a period of **ONE** (1) year from the date of purchase.

Parts which fail or become defective during the warranty period, except as a result of freezing, negligence, improper installation, use, or care, shall be replaced, at our option, without charge, within 90 days of the receipt of defective product, barring unforeseen delays.

After 90 days, to obtain warranty replacements, defective components should be returned, transportation paid, to the place of purchase. For further Harris Pool Product's™ service, contact Harris Pool Product's™ customer care department. No returns may be made directly to the factory without the express written authorization of Harris Pool Products™.

To original purchasers of this filter, Harris Pool Products®, warrants its filter housing to be free from defects in materials and workmanship for a period of **ONE** (1) year from the date of purchase.

All other conditions and terms of the standard warranty apply.

Harris Pool Products™ shall not be responsible for cartage, removal and/or reinstallation labor or any other such costs incurred in obtaining warranty replacements.

The Harris Pool Products™ warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

Some states do not allow a limitation on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion 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.