



Viron CL Series Cartridge Filter

ASTRALPOOL 

INSTALLATION AND OPERATING INSTRUCTIONS



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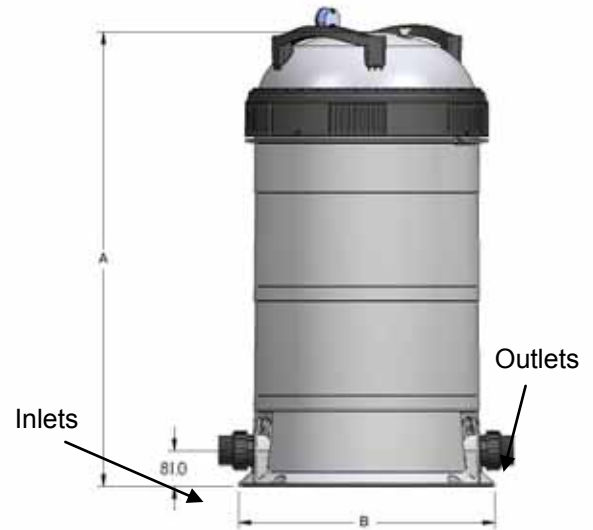
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INSTALLATION OF VIRON CL SERIES

1. Install Cartridge filter on a clean, stable and level base on which the circulation pump is located.
2. The CL Cartridge Filter has two 50mm water connections. The 2 inlet ports (from pump) are located at the bottom of the filter. The 2 outlet ports are located on the opposite side of the filter. The inlets and outlets are marked on the tank. The unused inlet and outlet ports should be capped using the caps provided. For installations where the flow rate is above 350 litres per minute, both Inlet and outlet ports may be used. The PVC pipe can be manifolded together to achieve a maximum flow rate of 700 litres per minute.
3. Allow a minimum on one hour for glue to dry.
4. Using Teflon tape, screw pressure gauge into lid.
5. If the filter is installed below water level, isolation valves must be installed on the inlet and outlet to enable the filter to be dismantled for cleaning without the loss of water from the pool or spa.
6. It is also recommended that a three way valve be installed on the return line to allow draining of water from the pool or spa when necessary.



START UP INSTRUCTIONS

Warning: Never Start Pump while lid or lock ring is loose. Never stand above filter while pump is running – danger of lid coming off under pressure could cause serious injury or death.

1. Before start up make sure the elements are in the filter and the lid lock ring is tightened until the safety catch locks – do not over tighten.
2. Open the suction and return line valves (where fitted).
3. Loosen the air release valve on the filter lid, start pump until water escapes the air release valve. Tighten the air release valve and check there is a good flow of water back in the pool.
4. Clean the cartridges when the flow to the pool reduces or the pressure gauge increases by 20 kPa.

PUMP PRIMING

1. With the pump OFF, remove the lid from the pump strainer and pour in approximately 4 litres of water.
2. Replace lid.
3. If valve has been installed on the pump suction line, close before filling strainer. Open again after lid has been securely fastened in place. Any valves on the return lines should be open. The pump should not need to be re-primed unless the pump has been drained for servicing, or winterizing (refer to complete pump operations manual provided with pump).

TO CLEAN FILTER CARTRIDGE

1. Stop pump-close valves on the suction and return lines.
2. Open the air bleed valve on the lid.
3. Loosen lock ring and remove cartridges.
4. Lift out cartridges. Clean the cartridge by soaking it in a mild solution of chlorine and warm water for 15 minutes and then hose off with high pressure water.
5. Replace the cartridges – carefully locating it on the bottom spigot.
6. Clean the lid 'o' ring. Apply a small amount of water based lubricant.
7. Place the lid onto the filter body, ensuring it is located centrally. **Do not try to force lid down into place.**
8. Place locking ring onto filter
9. Tighten the lock ring to pull the lid into the filter body. Approximately 3 ½ turns are required until safety catch engages – do not over tighten.
10. Check locking ring will not loosen without releasing the locking mechanism.
11. Open the valves – start the pump.

WARRANTY

Your Cartridge Filter is covered by a limited five year warranty against defects in materials or manufacture.

The outer case, lid and lock ring are covered for a period of five years. The pressure gauge, gaskets and filter elements are covered for one year from the date of purchase plus 30 days to allow for installation. Filter elements blocked with debris are not covered under the warranty.

In field labour warranty applies only within capital city metropolitan areas or within 20 kilometers of an authorised AstralPool service agent. Should you reside outside these locations, a travel charge may apply. Should the gauge or cartridge element fail, it must be returned to AstralPool freight pre paid for repair or replacement at our option.

AstralPool shall not be responsible for consequential damages of any kind. This warranty does not cover damage caused by accident or misuse. The warranty is only valid when the filter is used on swimming pool and/or spa pool applications only. No person is authorised to make representations on behalf of AstralPool.

CLEANING FREQUENCY

The Viron CL 400 and CL 600 have been designed to minimise cleaning. On average sized residential pools it is likely cleaning will only be required once a year. However, after storms causing severe ingress of dust and debris into the pool, or in times where earthworks and construction are taking place nearby, cleaning may be required as often as once per month.

NEVER LOOSEN THE LOCK RING WHEN THE PUMP IS WORKING!!!

MODEL	PART NO.	ELEMENT PART NO.	FILTER AREA	MAX FLOW RATE L/Hr	MAX FLOW RATE L/M	4 HR TURN OVER	6 HR TURN OVER	PUMP SIZE	SHIP KG'S	CUBIC MEASURE
CL400	10055	78083	400 sq ft 38.0 m ²	42,000	700	168,000	252,000	750w 2200w	37.0 kg	0.63m ²
CL600	10056	78084	600 sq ft 57.00m ²	42,000	700	168,000	252,000	750w 3000w	38.0 kg	0.63m ³

Maintenance of your filter

Maintenance Schedule: Your new product incorporates moving parts and withstands high velocity water with chemicals in it. Some of these parts will wear in the normal course of use and require regular checks and maintenance. Performing these checks and maintenance will identify parts that have worn and require repair/replacement before further serious damage is sustained. A small amount of regular care and attention to your pool equipment will help ensure long life and trouble free performance.

Timing	Maintenance Check	Service action (if required)
Fortnightly	Check pressure gauge. If pressure increase is greater than 20kPa cleaning may be required	In accordance with instructions, clean elements with a high pressure cleaner or purpose element cleaner
Three Monthly	Check inlet/outlet o'rings for leaks Check operation of pressure gauge – salt water can prematurely reduce the life of a gauge	Isolate Pump, turn power off, clean and grease O rings or replace if necessary Replace gauge if required
Annually	Compare operating pressure of a cleaned filter to initial pressure (when new). Also check for signs of damage to elements	If pressure is more than 30 – 40 kPa different from cleaned elements to new filter, replace elements

Important note: Regular maintenance is important to ensure long life and trouble free performance of your pool equipment. If unable to perform the maintenance yourself, contact your local AstralPool office who will arrange a trained service technician to perform the maintenance for you.

Record your Equipment details here for quick reference:

Model No.: _____

Serial No.: _____

Initial Pressure (kPa): _____