



**SWIMMING POOL PUMP
INSTALLATION AND
OPERATING INSTRUCTIONS**



GENERAL

Congratulations on the purchase of your Filtrite swimming pool pump. Filtrite produce high performance pumps, ideally suited for the modern pool or spa with extensive equipment such as chlorinators, heaters and in floor cleaning systems.

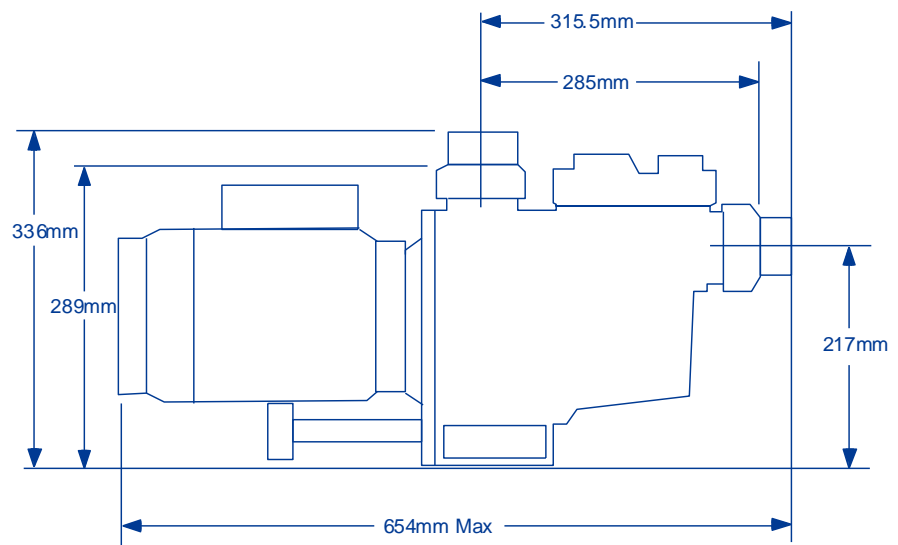
Note:

The appliance is not intended for use by young children or infirm person without supervision. Please ensure that young children are supervised to ensure that they do not play with the appliance.

FEATURES

- Continuous duty rated motor
- Precision reinforced moulded high head impeller, giving extra performance
- Single piece moulded body for added strength and longer life
- Rapid priming diffuser quickly corrects loss of water flow
- Quick and easy disassembly for servicing
- Large capacity basket with easily removed lid
- Double insulated water circuit for maximum electrical protection

DIMENSIONS



INSTALLATION OF FILTRITE SWIMMING POOL PUMPS

- A.** Plan position of pump so that it will be:
1. Free of water flooding, avoiding areas such as in a sump, garden hollow, ditch or at bottom of bank with run off.
 2. On a stable base so that:
 - a) The pump is not left suspended by its fittings, causing a leak or failure with loss of water.
 - b) Movement through vibration is restricted
 - c) No strain is put on attaching pipe or other expensive equipment
 3. Accessible for maintenance and easily removed for service.
 4. Breathing space. Pump should not be crowded which will prevent cooling airflow from fan. Overheating due to lack of cooling voids warranty. A minimum of 150mm should be allowed at the rear of the pump for airflow.
 5. Within reach of power point without use of extension/plugs liable to corrosion, shorting, etc.
 6. At a minimum height of suction lift of water from pool surface to pump inlet.
- B.** For best pump performance keep suction pipe length as short as possible with minimum number of bends and where ever possible, use 50mm high pressure PVC suction and return pipe. All equipment such as filters, heaters, chlorinators should have a minimum of 50mm connections.
- C.** Secure the barrel unions supplied into the attaching pipe work, using approved priming fluid and solvent cement as normal practice, coating both surfaces. **NOTE:** Always wear protective gloves when handling and using glue and priming fluid. Ensure no excess adhesive runs into the union proper affecting the sealing or removal abilities. Allow 24 hours to dry before starting pump. Ensure glue being used is suitable for the connection of PVC and ABS plastics.
- D.** Install isolation valves before the pump section and after equipment, if the pump is below the water level of the pool.
- E.** For pump installations 500mm above water level or greater, it generally requires a foot valve at the pool or check valve in the suction line. Suction lines must be installed below water level until just in front of pump location and vertical riser used to reach pump inlet. Filtrite pumps are rated to a maximum head of 25 metres however refer to your pumps data plate for actual achievable pressure
- F.** All pumps will operate quieter and perform more efficiently if a straight length of 450mm pipe is plumbed horizontally into the front of the pump.
- G.** Water temperature must not exceed 45 degrees
- H.** Pumps must be either;
- a. Supplied by an isolating transformer, or
 - b. Supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA
- I.** All electrical equipment around your swimming pool **MUST** be installed according to AS/NZS 3000:2007 and comply with other local and state requirements. Filtrite swimming pool and spa pumps are rated IPX5 which allows installation within Zone 1 of the pool area.

OPERATION OF FILTRITE SWIMMING POOL PUMPS

1. Prime pump if hair and lint pot is dry as follows;
 - a. Close off valve on suction line if present.
 - b. Remove lint pot lid.
 - c. Fill lint pot and chamber with water.
 - d. Replace and secure lint pot lid and seal.
2. Open all valves, allowing water to flow through pump.
3. Switch on power to pump, the motor will then start.
4. If some flow of water does not establish within 30 seconds, switch off and prime pump again. If pump does not prime within 3 attempts, check all suction connections for sealing. If these are satisfactory, a check or foot valve may be required to hold water for prime.
5. If the water flow through pump is always tedious to obtain at start-up after cleaning the lint basket, then an examination of the system to establish a reason and correct the cause is recommended. Eg. Check valve, air leaks, faulty seal, cracked lint pot lid, etc.
6. A non return valve is supplied loose in the basket of this pump. To install, place between the outlet barrel union tail and the discharge of the pump. The non return valve should be located so that the flap can swing upwards into the union tail. The non return valve should be installed on spas equipped with cartridge filters, any time multiple pumps are operating off one suction or return line or any installation where the back flow of water may occur when the pump is shut down. The non return valve may reduce the performance of the pump slightly.

Note: This pump is not intended for use by young children or infirm persons without supervision. Please ensure that young children are supervised to ensure that they do not play with the appliance.

To avoid a safety hazard, the supply cord if damaged, must only be replaced by a suitably qualified person.

MAINTENANCE

Filtrite pumps are designed to operate for extended periods with minimal attention or maintenance. Following are the periodic maintenance requirements:

1. Keep the lint basket clean – empty it regularly. Blocked lint basket or suction pipe and no water flow can cause overheating with consequent pipe and pump components failure and meltdown.
2. Apply suitable waterproof grease to the lint pot "O" ring to ensure positive seal.
3. Ensure electrical passage for cooling airflow to prevent fusing or shock hazards.
4. Maintain clear passage for cooling airflow to prevent overheating of motor.
5. Maintain water in good chemical balance.
6. Do not allow quantities of sand or grit to continuously pass through pump to prevent "sand blasting" erosions (use filter sock in lint basket if sand, etc. is being picked up by vacuum.)
7. Do not over tighten strainer lid. Never use a tool or handle to tighten lid, the lid is designed to prevent this from happening.
8. Do not add pool salt, chlorine, acid or other chemicals directly to your skimmer. This may result in damage to your pump and could void your warranty.

Maintenance of your pump

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.

To protect against extremes of temperature, your unit is vented to allow expensive electronics to cool. Ants and some insects are often attracted to the warmer, dry environment inside the enclosure. We recommend that, with power turned off, you spray a surface insecticide on the surfaces surrounding the control to prevent ant and insect ingress. Repeat every three months or as necessary.

Timing	Maintenance Check	Service action (if required)
Weekly or sooner	Check and empty hair and lint basket	Empty leaves and debris
Three Monthly	Check Lid O ring and inlet/outlet O rings for leaks	Isolate Pump, turn power off, clean and grease O rings or replace if necessary
Three Monthly	Check surroundings for leaves, debris and flooding Check for insects/ Ants	Remove debris and rectify if any flooding Spray a surface insecticide on the surfaces around the unit to prevent ant and insect ingress.
Three Monthly	Check for leaks from underneath pump	Call Service technician, repair or replace mechanical seal and motor bearings if necessary

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 Clark Rubber Store who can arrange a trained service technician to perform the maintenance for you.

Record your Equipment details here for quick reference:

Model No.: _____

Serial No.: _____

All Filtrite pumps have double insulation on the water circuit for maximum protection and safety. Filtrite pumps manufactured by Fluidra Group Australia use P2 rated capacitors for protection against fire.

WARRANTY

Fluidra Group Australia Pty Ltd (ABN 87 002 641 965) provides the following express warranty for this product.

Product Name	Warranty Period	Limitations / Enhancements
<i>Flitrite PX Range Pump</i>	<i>3 Years</i>	<i>2 Years Mechanical Seal</i>
<i>Flitrite PE Range Pump</i>	<i>2 Years</i>	<i>1 Year Mechanical Seal</i>

EXPRESS WARRANTY

Fluidra Group Australia Pty Ltd (Fluidra) warrants that its Products will be free from defects in materials and workmanship when used in domestic swimming pools. This express warranty only applies to services and products purchased within Australia from Authorised Dealers

For the purposes of this warranty, 'domestic swimming pool' means a swimming pool on a single dwelling site. Products used at other sites, including (but not limited to) hotels, swimming schools, rehabilitation and therapy centres, apartment buildings, townhouse complexes and other multiple dwelling sites, are generally operated for significantly longer periods and are subject to more wear and tear than Products used in domestic swimming pools. Consequently, for all Products used at such sites the warranty period is 1 year instead of the periods set out above. Fluidra, may, however, in its absolute discretion, consider extending the 1 year warranty period for FILTRITE PE & PX RANGE PUMPS used at particular sites because of actual usage patterns. Any such extension shall only be binding if Fluidra gives it expressly in writing.

CONDITIONS

1. This express warranty only applies if the Product has been purchased from a dealer authorised by Fluidra to supply it (Authorised Dealer). Purchase from an Authorised Dealer ensures that the product is a genuine A product, that it is the version designed for Asia Pacific conditions, and that the Purchaser has access to appropriate technical knowledge and advice.
2. The liability of Fluidra, under this express warranty is limited, at its option, to the repair or replacement of the Product or the payment of the cost of having the Product repaired or replaced.
3. This express warranty does not apply in the following circumstances: (a) if the Product has not been installed in accordance with the product's installation instructions; (b) if the Product has been modified other than as authorised by Fluidra or if a component part has been replaced by a part that is not a genuine Fluidra product; (c) if a defect results from use of the Product outside recommended operating conditions; or (d) if a defect results from damage (including damage to any internal electronics) caused by a power surge or lightning strike, insect or animal ingress. FILTRITE PE & PX PUMPS are designed and tested in accordance with International Standard EN 61000-6-1 immunity measurements. The product is designed to tolerate minor fluctuations (2000 volts) in power supply that can be reasonably expected to occur in the energy grid. They will not tolerate power surges outside these limits.
4. Without limiting 3 above, products sold by Fluidra are designed for use with swimming pool water balanced in accordance with Australian Standard AS3633-1989 with a pH range of 7.0 - 7.8. Maximum chlorine readings should not exceed 4ppm. Where pool water is not maintained within these parameters, Fluidra will not be responsible under this express warranty for any resulting damage, including damage caused by corrosion, scaling or stress loading.
5. Replacement parts supplied under this express warranty are warranted to be free from defects in materials and workmanship for the remainder of the warranty period or for 12 months from the supply of the replacement, whichever is longer.
6. **This express warranty is not transferable and applies to the original purchaser only.**
7. **How to make a warranty claim.** A proof of purchase must be received by Fluidra, prior to any warranty work being approved. Where applicable, a serial number, installation date and name of installer is required as part of this process. The Purchaser must telephone or email Fluidra Customer Service and obtain a warranty ID number for warranty claim. Contact details are: Fluidra Australia, 219 Woodpark Road, Smithfield NSW 2164, Customer Service telephone:1300MY FLUIDRA. Email address: service.au@fluidra.com

8. Fluidra, as the case may be, reserves the right to determine, in relation to each warranty claim, whether the Product should be returned to the Authorised Dealer at the address where the Purchaser purchased the Product or whether warranty service will be provided in the field, repaired at a Fluidra workshop or at the premises of an authorized Fluidra warranty agent.
9. If it is necessary for the Purchaser to incur freight charges in making a valid claim under this warranty, Fluidra, as the case may be, will reimburse the Purchaser for charges reasonably incurred upon proof of the charges.
10. **Additional guarantees, rights and remedies Australian Purchasers** - Guarantees under the Australian Consumer Law. The benefits of this express warranty are in addition to other guarantees, rights and remedies Australian consumers have under the Australian Consumer Law. Our products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
11. **INCONSISTENCY WITH WARRANTY STATEMENTS IN PRODUCT MANUALS OR OTHER DOCUMENTS ACCOMPANYING PRODUCTS** If any warranty statements in a Fluidra product manual or other document are inconsistent with the above Express Warranty and Guarantees, the above overrides and replaces the inconsistent statements.



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