



# Get it right!

# WATERMIZER™

## FILTRATION SYSTEM with Polyester Cartridge



**130** – Enduro

**240** – Enduro

**240** – SQI500

# OWNERS MANUAL



# IMPORTANT

## **MAINTENANCE INSTRUCTIONS FOR YOUR POOLRITE *Water Mizer Filtration System***

Read the following instructions carefully to ensure trouble free efficient operation of your filtration system for many years.

### **IMPORTANT POINTS TO CHECK PRIOR TO OPERATION OF FILTER SYSTEM**

- Filter Pump should NOT be connected via extension leads.
- At least 15cm clearance be provided at fan cowl end (rear) of motor for efficient ventilation.
- Should Filter System be housed in an enclosure, provision must be made for adequate ventilation.
- Filter System must be installed in a position to ensure effective drainage in the event of potential flooding that may occur during heavy rain or plumbing malfunction.
- Pool water level must be at least half way up Skimmer Box opening.
- Make sure both Skimmer Box Basket and Pump Hair and Lint Pot Basket are in place.
- Do not operate Filter System unless the free chlorine level is between 0.5 and 2.0 (ppm) and the pH level between 7.2 and 7.6 for concrete pools and 6.8 and 7.2 for fibreglass pools.

**FAILURE TO ADHERE TO THE ABOVE DIRECTIONS  
WILL VOID THE WARRANTY**

## Water Mizer Filtration System 130 & 240

### FILTER CARTON 130 & 240 CONTAINS:

- A factory assembled Filter ready for immediate installation.
- Enduro or SQI 500 Pump.
- Moulded Base Plate.
- Moulded Plumbing from Pump to Filter completely assembled.
- Hair and Lint Pot and basket.
- Owners Manual & Warranty Card.

### ASSEMBLY INSTRUCTIONS: ENDURO PUMP MODEL ONLY

Before plumbing in the filter, the hair and lint pot and basket must be assembled as shown in the pictures below.



**ENSURE RETAINING SCREWS ARE FITTED**

### ASSEMBLY INSTRUCTIONS: SQI 500 PUMP MODEL ONLY

Before plumbing in the filter, the pump (packaged separately) must be bolted to the base plate (photos 2 & 3). Two bolts, nuts and washers supplied.

Attach plumbing arm to filter tank and pump, ensuring the rubber O-rings provided are used (photo 4).



## INSTALLATION

### Water Mizer 130 & 240

1. The Filter is normally packed in the carton fitted to the mounting base, however, should these be separated, the Filter Tank is fitted to the Mounting Base by tilting the tank forward at an acute angle allowing the R.T.P. Plumbing outlet at the bottom of the tank to slide through the hole provided in the Mounting Base.
2. Position the slot in the Filter Tank Base into the Keyway in the Base Plate well.

## CONNECTING THE FILTER SYSTEM

**ONLY (2) CONNECTIONS ARE REQUIRED VIA ONE SWIVEL COUPLING AND ONE 40ML TAKE-OFF UNION. THESE ARE:**

1. Pump to Skimmer Box.
2. Filter to Return to Pool(R.T.P.). (40ml Valve Take-Off union (V.T.O.) provided). Glue adaptor to 40ml PVC tube and attach plumbing to filter base.
3. It is recommended that the filter and pump be mounted on a concrete slab.

## START UP PROCEDURE

### 1. PRIMING THE PUMP

(PUMP INSTALLED ABOVE WATER LEVEL ONLY. IF PUMP INSTALLED BELOW WATER LEVEL, PROCEED TO STEP 2).

- A** Remove clear Pump lid:
  - (I) by turning anti-clockwise (ENDURO pump models)
  - (II) by turning the clamp knobs anti-clockwise to open (SQI pump models)then fill the pump bowl with water to the suction inlet level.
- B** Check rubber Pump lid seal is clean and located in the groove within:
  - (I) the lid (ENDURO pump models)
  - (II) the pump body (SQI pump models)
- C** Replace clear lid by hand tightening in a clockwise direction:
  - (I) the lid (ENDURO pump models)
  - (II) the clamp knobs (SQI pump models)**DO NOT OVER TIGHTEN.**

### 2. STARTING THE FILTER

- A** Open Air Release Valve on top of Filter Tank several turns (DO NOT REMOVE).

- B** Ensure all plumbing lines to and from the Pool/Spa are clear (i.e. shutoff valves "OPEN" etc.).
- C** Switch on Pump.
- D** Observe the reaction through the clear lid of the Pump. The Pump will at first draw water in surges until all air within the Pump Bowl and Suction Piping from the Pool/Spa has been expelled.

If air is still present after approximately three (3) minutes, check the following:

- Ensure clear Pump lid is correctly tightened onto Rubber Seal.
- Check the Couplings on the Pump Suction Inlet are tight.
- Check correct water level in Pool/Spa.
- Check Skimmer Weir is free and not jammed.
- Make sure Skimmer Vacuum Plate is removed.
- Clear all leaves and debris from Strainer Baskets.

*NOTE: If air is still present, the Suction Piping to the Pool/Spa should be checked.*

- E** When the Filter Tank is full, i.e. when water escapes through Air Release Valve, close Valve (DO NOT OVER TIGHTEN).

**THE FILTER SYSTEM IS NOW FILTERING THE POOL/SPA AND THE PRESSURE GAUGE READING IN THE "FILTER" RANGE.**

**AS THE PROCESS OF FILTERING CONTINUES, THE UNWANTED SOLIDS BUILD UP AND THE PRESSURE GAUGE READING RISES ACCORDINGLY.**

**WHEN THE POINTER REACHES THE "RED" SECTION ON THE DIAL, THE FILTER MUST BE CLEANED.**

## MAINTENANCE PROCEDURE

### CLEANING THE FILTER – 130 and 240

- Switch the Pump off.
- Close any shut-off Valves on Suction and return lines to and from Pool/Spa (filter installed below water level).



- Open Air Release Valve on top of Filter Tank.
- Remove Clamp Band on top by loosening Clamp Band Adjuster anticlockwise.
- Remove Filter lid by lifting upwards being careful not to lose rubber "O" ring seal in groove in top of lid.
- The Filter Cartridge(s) can now be lifted out for cleaning.

This can best be done by using a garden hose with the nozzle adjusted to give a strong, concentrated jet of water which is directed between each individual pleat in the cartridge. Work systematically around and from end to end to ensure the whole filtering surface area of the Cartridge is thoroughly cleaned with particular attention being paid to the bottom inside corners of the pleats.

- After cleaning, reposition Cartridge onto standpipe located inside tank.
- Replace Tank top ensuring "O" ring and Flanges are perfectly clean otherwise the two halves will not seal correctly.
- Close drain plug.
- Restart Filter System. (Refer instructions: "STARTING THE FILTER SYSTEM")

### IMPORTANT — 130 and 240

- Each (12) months the Cartridges should be cleaned individually by soaking in warm water and household detergent. The 130 and 240 Cartridges must be removed from the filter tank (See Maintenance Procedure).
- Should calcium scaling occur on the Cartridges due to incorrect chemical balance of the pool water, this can be removed by soaking each Cartridge in a solution of (10) parts water and (1) part Hydrochloric Acid for (1) hour then hosing pleats as previously described.

## TROUBLE SHOOTING POOLS

### ALGAE

#### BLACK SPOT ALGAE IN FIBREGLASS POOLS

Add Hydrochloric Acid to lower pH to Yellow on Test Kit. Brush Black Spot. When Algae has disappeared use Soda Ash to raise pH back to 6.8. Black Spot Algae will always reappear if pH is allowed to rise too high.

*NOTE: DO NOT SWIM IN POOL WHILST pH IS LOW.*

#### BLACK SPOT ALGAE IN CONCRETE POOLS

Add Algaecide as per manufacturers recommendation, adjust pH and brush Black Spot Algae with stainless steel Algae brush. The main cause of the Algae is ineffective Chlorine due to high pH.

#### GREEN ALGAE

Check and adjust pH. Check salt level. Check cleanliness of Electrodes. Increase running time to superchlorinate.

#### BROWN ALGAE

Check pH. Add Algaecide.

### MILKY WATER

Check pH and adjust. Check Filter is operating correctly. Increase running time.

### FILTER PRESSURE BUILDS UP RAPIDLY

- Clean Cartridges or replace if necessary.
- Check Eyeball in Pool is in open position.
- Check Salt Chlorinator Electrodes are clean.

## AIR BUBBLES BACK TO POOL

- Check Hair and Lint Pot “O” ring — grease and tighten.
- Check sufficient water in pool.
- Check suction pipe for cracks.

## WATER DRAINS BACK TO POOL WHEN FILTER SWITCHED OFF

- Check Hair and Lint Pot lid for leaks.
- Check Air Release Valve for Leaks.

## PUMP LOSES SUCTION POWER

Check Strainer Baskets to ensure they are not choked with debris. Don't forget there are two Strainer Baskets which need emptying regularly. One is located in the Skimmer Box, whilst the other is housed in a special compartment within the Pump Assembly itself. This Strainer safeguards the Impeller against debris which gets past the Skimmer's Basket.

Frequently, this Basket immediately in front of the Pump gets overlooked, and Servicemen are called to investigate malfunctioning equipment which is put right simply by emptying debris from Strainer Baskets. Get in the habit of checking them regularly, perhaps at the same time as the cleaning operation is to be carried out.

**REMEMBER: BE SURE MOTOR IS SWITCHED OFF BEFORE OPENING UP THE PUMP'S STRAINER BASKET COMPARTMENT.**

During the Compartment opening / Basket emptying process, air will have entered the Filtration System. This should be released immediately after switching the motor back on again to re-start filtering.

# WARRANTY CARD

## WATER MIZER FILTRATION SYSTEM POOLRITE EQUIPMENT PTY. LTD.

Your POOLRITE Filtration Equipment is manufactured to the highest possible standards and most up-to-date technology. Accordingly the equipment carries the following warranty, should a fault occur due to faulty manufacture or materials.

### IMPORTANT:

In the event a fault covered by warranty occurs, the Purchaser must in the first instance contact *POOLRITE EQUIPMENT PTY. LTD.* or the closest authorised Poolrite Distributor.

1. All components in the Filtration System, except the filter tank and pump, carry 1 year (12 months) warranty from the *DATE OF PURCHASE BY THE ORIGINAL OWNER*.
2. Due to POOLRITE's Advanced Moulding Technology, the Filter Tank (the most important part of your Filtration System) carries a special Extended Warranty of ten years from the Date of Purchase by the Original Owner. The terms of this Warranty cover full replacement, excluding the cost of labour, of a defective Filter Tank for the Original Owner for a period of five years (60 months) from the Date of Purchase by the Original Owner and additionally for a further five years (60 months) the Filter Tank will be replaced for the Original Owner at a pro-rata cost.
3. Pump Warranty (ENDURO and SQI 500) – In addition to the conditions of sale and warranties implied at law and which may not be excluded, POOLRITE warrants the pump to be free from defect for a period of 2 years (Enduro Pump) or 3 years (SQI 500 Pump) and the Mechanical Seal for a period of one (1) year from the date of purchase by the Owner from POOLRITE or an authorised supplier of the pump.

POOLRITE will repair, or authorise a qualified technician to repair, the pump provided that:

- POOLRITE is notified within seven (7) days of the defect being detected;
- The pump is not operated subsequent to detection of the defect;
- The pump has not under gone any unauthorised modification or been fitted with other than genuine POOLRITE approved parts; and
- The pump has been installed and operated in accordance with the Installation Instructions and Operating Instructions, respectively.

POOLRITE will not be liable to repair the pump if the repair is necessary because of misuse, accidental damage, entry of foreign objects

or materials into the equipment, improper or inadequate maintenance or repair or incorrect operation of the pump.

This warranty does not extend to reasonable wear and tear of the pump.

All repairs must be undertaken by POOLRITE or a technician authorised by POOLRITE.

The owner will be responsible for all freight and/or travelling charges. POOLRITE accepts no responsibility for goods while in transit.

POOLRITE accepts no responsibility for representations other than expressly contained in literature published by POOLRITE. In particular POOLRITE has made no representation as to the fitness of the pump for any particular purpose except as contained in such literature.

4. The Warranty is void if the following are not adhered to:
  - (a) The equipment must be installed and used in accordance with the instructions supplied.
  - (b) The equipment is designed to be used in swimming pool water, balanced in accordance with the langlier Saturation Index with a pH of 6.8 to 8.0 and that is regularly treated with a sanitising system utilising chlorine either added in compound form or generated in situ in concentrations as recommended by the relative State Health Departments. Should other chemical treatment systems or parameters be used, POOLRITE will not be responsible for damage done by corrosion, scaling or stress cracking of equipment or for shortened filter cycles resulting therefrom.
  - (c) The Pressure Gauge will not be covered by Warranty if damaged by water, if the gauge cover is not firmly affixed.
  - (d) If in the opinion of POOLRITE the equipment has been subjected to other than normal pool use, or improperly serviced/maintained, the Warranty will be void.

The Warranty is applicable to workmanship and materials only. POOLRITE will replace at no charge, all parts returned freight paid, which display faulty workmanship or materials. POOLRITE EQUIPMENT PTY. LTD. accepts no responsibility for loss, damage or injury to person or property arising from Warranty failure of equipment, or installation of that equipment.

Unless with the express prior authority of POOLRITE any repair or replacement shall be provided only by POOLRITE or its Authorised Distributors and this Warranty shall not extend to any expenditure otherwise incurred.

# WARRANTY CARD



# WARRANTY CARD

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Name of Purchaser

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Address

---

Purchased From

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Date

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Equipment and Model

**IMPORTANT:**

This card must be filled in and returned to Poolrite Equipment Pty. Limited within 14 days of purchase to render the Warranty effective.

**AUSTRALIA**

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Manufacturer reserves the right to alter specifications without notice.

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