ASTRALPOOL

ZX Series Cartridge Filter

INSTALLATION AND OPERATING INSTRUCTIONS

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INTRODUCTION

Congratulations on the purchase of your AstralPool ZX series cartridge filter.

The ZX series filters are made to last by utilising the best quality materials available. The tank is made from high quality ABS plastics, capable of withstanding the harshest of environments while DuPont Remay elements are used which are regarded by the industry as the best available. Include with this Mircoban antimicrobial coating on the elements and you are sure to achieve one of the cleanest pools possible.

WARNING: DO NOT OVERTIGHTEN LOCKING RING AS THIS MAY CAUSE THE FILTER TO LEAK. GENTLE HAND TIGHT IS SUFFICIENT FOR CORRECT SEALING.

INSTALLATION OF ZX SERIES

1. Ensure cartridge filter is located on a clean, stable and level base.

2. The ZX series filter has three inlet ports (from pump) and one outlet port (to pool/spa). Glue one of the 50mm slip tails supplied into one of the inlets and second slip tail supplied into the outlet of the filter that suits the plumbing configuration.

3. Glue in the supplied blanking cap and drain plug cap into the two remaining inlets. Allow a minimum of one hour for glue to dry before subjecting filter to system pressures.

4. Glue water connection pipes from pump and pool return to 50mm tails supplied. (Ensure locking nut is placed on pipe before gluing on tails.

5. Apply Teflon tape (not included) to the pressure gauge and screw into lid where indicated.

START UP INSTRUCTIONS

1. Before starting up your ZX filter, make sure the cartridge is in the filter and the lid and lock ring are in place and tightened.

2. Open the suction and return line valves (when fitted).

3. Start pump and open the air release valve on the filter lid 2 to 3 turns – air will begin to be forced from the tank. Once water begins to flow from the valve, tighten to close. Check there is a good flow of water back into the pool.

4. Clean the cartridge when the flow to the pool reduces or the pressure gauge increases by 15 – 20 kPa.

PUMP PRIMING

1. With the pump OFF, remove the lid from the pump strainer and fill with water to the top of the lit pot.

2. Replace and tighten lid on pump.

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 ON ZX SERIES

1. Stop pump-close valves on the suction and return lines.

2. Open the air bleed valve on the lid.

3. Proceed to loosen locking ring on filter. As you turn the locking ring, the lid of the filter will be lifted out of the body. Once lid is free of the body, lift lid and locking ring together and place in a clean location. You can now remove the cartridge.

4. Clean the cartridge by soaking it in a mild solution of chlorine and warm water for 15 minutes and then hose off with water. Alternatively, special formulated element cleaning solutions can be purchased from most pool professionals. (Note: do not use high powered water jets to clean – this may cause damage to the element)

5. Replace the cartridge; ensure correct location on the bottom spigot.

6. Insert the top locating spigot into the element.

7. Clean the lid, locking ring and lid ‘o’ ring. These should be rinsed with clean water to ensure not grit or grime has deposited into the threads. Replace the lid and locking ring onto the top of the filter tank, ensuring correct alignment with the locating spigot..

8. Commence tightening the lid lock ring – the lid will begin to be pulled down into the filter tank. Continue to tighten the lock ring until safety catch locks into place. DO NOT OVERTIGHTEN LOCKING RING AS THIS MAY CAUSE THE FILTER TO LEAK. GENTLE HAND TIGHT IS SUFFICIENT FOR CORRECT SEALING.

9. Open the valves – start the pump.

NEVER LOOSEN THE LOCK RING WHEN THE PUMP IS WORKING

FILTER SPECIFICATIONS

MODEL	PART NO.	ELEMENT PART NO.	FILTER AREA	FLOW RATE L/Hr	FLOW RATE L/M	4 HR TURN OVER	6 HR TURN OVER	PUMP SIZE	SHIP KG'S	CUBIC MEASURE
ZX50	10040	78095	50sq ft 4.75 m2	13,500	225	54,000	81,000	550w 750w	7.0 kg	0.035m3
ZX75	10041	78096	75sq ft 7.00m2	17,400	290	70,000	104,000	550w 1100w	8.0 kg	0.035m3
ZX100	10042	78097	100sq ft 9.40m2	22,500	375	90,000	135,000	750w 1100w	15.5 kg	0.05m3
ZX150	10043	78098	150sq ft 14.00m2	28,500	445	106,800	160,200	750w 1500w	16.5 kg	0.05m3
ZX200	10044	78099	200sq ft 19.00m2	29,400	490	117,600	176.,400	750w 1500w	24.0 kg	0.07m3
ZX250	10045	78094	250sq ft 24.00m2	30,900	515	123,600	185,400	750w 1500w	25.0 kg	0.07m3

MAINTENANCE OF YOUR FILTER

Your new product incorporates moving parts and withstands high velocity water with chemicals in it. It is important to note that over time some of these parts will wear in the normal course of use and require regular checks, maintenance and possible replacement.

Performing the maintenance checks below will help to identify parts that have worn and require repair/replacement before further serious damage is sustained. Please note that repair/replacement of moving parts due to regular wear and tear are the responsibility of the pool owner(s) and are not deemed to be covered under warranty. A small amount of regular care and attention to your pool equipment will help ensure long life and trouble free performance.

Maintenance Schedule:

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 be happy to 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): _____

WARRANTY

AstralPool Australia Pty Ltd (ABN 97 007 284 504) ("AstralPool") provides the following warranty in relation to its ZX series cartridge filters ("Product").

Our goods 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.

The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

WARRANTY
AstralPool warrants that, subject to the exclusions and limitations below, the Product will be free from defects in materials and workmanship during the warranty period. The warranty periods are set out below and commence 30 days after the date of purchase (to allow for installation). The warranty period may vary for different parts of the Product.

Parts	**Warranty Period**
Filter body, lid and locking ring	5 years
Filter Element	12 months
O'rings and gasket seals	12 months

If a defect appears in the Product before the end of the warranty period and AstralPool finds the Product to be defective in materials or workmanship, AstralPool will, in its sole discretion, either:

(a) replace or repair the Product or the defective part of the Product free of charge; or
(b) Cause the Product or the defective part of the Product to be replaced or repaired by an Authorised AstralPool Service Agent free of charge.

AstralPool reserves the right to replace defective parts of the Product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

WARRANTY CLAIMS
1. If a fault covered by warranty occurs, the customer must first contact AstralPool at the contact address listed below, or an Authorised AstralPool Service Agent.

2. Any warranty claim must be accompanied by:
   (a) proof of purchase;
   (b) full details of the alleged defect; and
   (c) appropriate documentation (such as historical and maintenance records).

3. The customer must make the Product available to AstralPool or its Authorised AstralPool Service Agent for inspection and testing. AstralPool or its Authorised AstralPool Service Agent will attend the premises where the Product is installed for inspection and testing. If the Product is installed:
   (a) outside a capital city metropolitan area; and
   (b) is not within a 20 km radius of an Authorised AstralPool Service Agent;
   then the customer may have to pay a travel fee.

4. If such inspection and testing finds no defect in the Product, the customer must pay AstralPool's usual costs of service work and testing. If such inspection and testing finds a defect that is not covered by this warranty, the customer must pay AstralPool's usual costs of service work plus any parts and labour required to repair the Product, unless recoverable from AstralPool on the failure of any statutory guarantee under the ACL.

Exclusions
The warranty will not apply where:
(a) the customer is in breach of the Terms and Conditions of Sale;
(b) the Product was used for a purpose other than one it was intended for;
(c) the Product was repaired, modified or altered by any person other than AstralPool;
(d) the Product has not been installed, maintained and/or operated in complete compliance with the installation and operating instructions and any instructions by AstralPool;
(e) the Product has been subject to accident, negligence, alteration, abuse or misuse.

The warranty does not extend to:
a) normal wear and tear;
b) weather and other environmental conditions including but not limited to storm, flood, and/or heat wave damage; or
c) service and maintenance items.

Examples of exclusions include but are not limited to:

- over tightening of locking ring or union fittings
- damage to element caused by use of high pressure water cleaners

Commercial Installations
On commercial installations, such as health clubs, motels/hotels and hydrotherapy facilities, the warranty is limited to parts and in field labour (within capital city metropolitan areas or 20 km radius of Authorised AstralPool Service Agents) for a period of 12 months from the date of purchase plus 30 days to allow for installation.

LIMITATIONS
AstralPool makes no express warranties or representations other than set out in this warranty.

The repair or replacement of the Product or part of the Product is the absolute limit of AstralPool's liability under this express warranty.

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