

ZCF CARTRIDGE FILTER

INSTALLATION AND OPERATING INSTRUCTIONS



Congratulations on the purchase of your ZODIAC ZCF series cartridge filter.

The ZCF 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 conditions.

INSTALLATION OF ZCF SERIES

- 1. Ensure cartridge filter is located on a clean, stable and level base.
- 2. The ZCF 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 ZCF 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 reprimed unless the pump has been drained for servicing, or winterizing (refer to complete pump operations manual provided with pump).

TO CLEAN FILTER CARTRIDGE ON ZCF 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..
- 9. Open the valves start the pump.

NEVER LOOSEN THE LOCK RING WHEN THE PUMP IS WORKING

FILTER SPECIFICATIONS

MODEL	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
ZCF75	Ro846300	75sq ft 7.00m2	17,400	290	70,000	104,000	550W 1100W	7.8 kg	0.075M3
ZCF100	Ro846400	100sq ft 9.40m2	22,500	375	90,000	135,000	750W 1100W	9.6 kg	0.101M3
ZCF150	Ro846500	150sq ft 14.00m2	28,500	445	106,800	160,200	750w 1500w	9.9 kg	0.101M3
ZCF200	Ro846600	200sq ft 19.00m2	29,400	490	117,600	176.,400	750w 1500w	11.8 kg	0.127M3

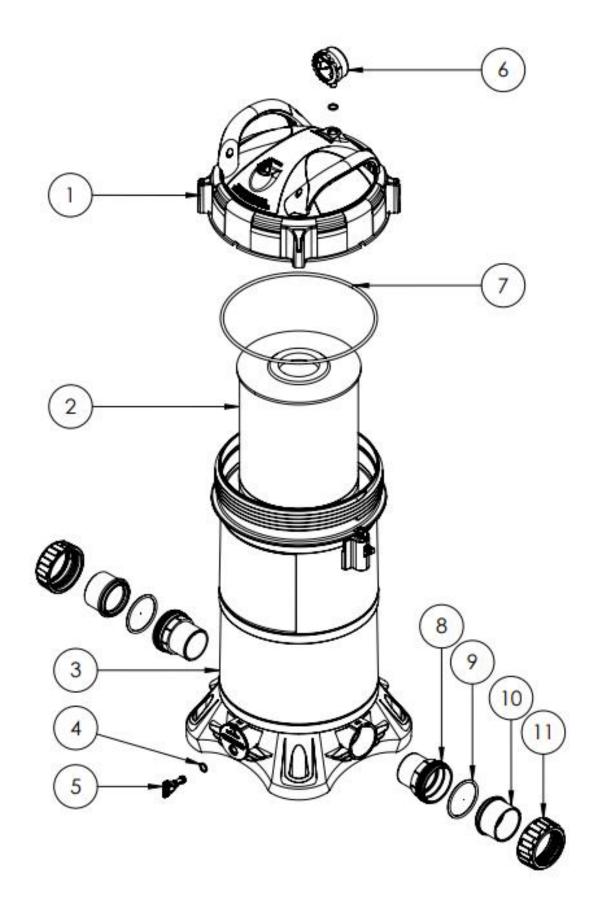
MAINTENANCE OF YOUR FILTER

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	Isolate Pump, turn power off, clean and grease O rings or replace if necessary
	can prematurely reduce the life of a gauge	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 poolshop for a quote to arrange a trained service technician to perform the maintenance for you.



ITEM No	DESCRIPTION	PART NUMBER	QTY
	COMPLETE LID		
	ASSEMBLY	SP7820502	-
2	FILTER ELEMENT - 75	78096	
2	FILTER ELEMENT – 100	78097	
2	FILTER ELEMENT - 150	78098	
2	FILTER ELEMENT 200	78099	
3	FILTER BODY 50/75	SP7821110	
3	FILTER BODY - 100/150	SP7821210	
3	FILTER BODY 200/250	SP7821310	
4	DRIAN PLUG O-RINGo	78103	
5	DRAIN PLUG	78705	
6	PRESSURE GAUGE		
	WITH COVERS	75043	
7	LID O-RING	78105	
NOT	BLANKING CAP		
SHOWN	BLANKING CAP WITH	78214	1
	DRAIN	78218	
8	GLUE IN THREADED		2
	PIPE FITTING	950923	
9	O RING	70003	2
10	2" GLUE IN UNION		2
		950920	
10	I ½" GLUE IN UNION	050010	2
		950918	
NOT		950919	_
SHOWN	LID SPIGOT	78203	I
NOT	LID HANDLES	78205	2
SHOWN		7820202	2
NOT	HANDLE SCREWS	,020202	4
SHOWN		40218	
NOT	GLUE IN UNION TAIL		
SHOWN	ASSEMBLY		
	ORING 2" TAIL, GLUE		
	IN THREADED TAIL,		
	LOCK NUT	10650	
NOT	INSTRUCTION		I
SHOWN	MANUAL	INST475	
NOT	FILTER LABEL		
SHOWN		LABEL577	
	COMPONENT BAG	70000	I
SHOWN		78328	

	ull warranty terms and conditions and to register your warranty, simply visit www.zodiac.com.au/warranty and complete your details. Or scan the QR code and be taken directly to the registration page				
<u>1885 - 246</u>	Record your Equipment details here for quick reference:				
	Model No.:				
	Serial No.:				



Zodiac is a registered trademark of Fluidra Group Australia Pty Ltd ABN 87 002 641 965

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Due to constant develpments and improvements, specifications may change without notice. Improper use could affect performance and void warranty

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