



by **HY-CLOR**

Pool Pump P Series

Installation & Operation Manual



For further information
call **1800 625 123**
www.hyclor.com.au

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GENERAL SAFETY RULES

1. The information provided in this manual are general instructions only, should you or the installer have difficulty in installing or operating this product please contact Poseidon on PH 1800 625 123
2. The pump should be installed by a suitably qualified swimming pool technician
3. The Poseidon swimming pool pump is designed to work with clean water at a temperature not exceeding 40 degrees Celsius (95) degrees Fahrenheit.
4. The installation is to be carried out within the local and national safety regulations and guidelines only.
5. No modification of the pump is to be done without the consent of the manufacturer.
6. All maintenance work can only be performed on the pump or on the equipment connected to it after disconnecting from the mains power.
7. The user must carefully read the installation instructions before installing this equipment.
8. All electrical work if required on installation is to be carried out by suitably qualified electrical contractors.
9. The operating safety of the Poseidon swimming pool pump is only guaranteed if the installation and service instructions are correctly followed.
- 10. DO NOT ATTEMPT TO FIX ANY ELECTRICAL OR MECHANICAL PROBLEMS WITH THIS PRODUCT UNDER ANY CIRCUMSTANCES. CONTACT POSEIDON IMMEDIATELY ON PH 1800 625 123**
- 11. Swimming pool motors run hot and may cause scalding or burns to the skin please ensure that the pump is installed out of reach of children**

Thank you for purchasing your new Poseidon swimming pool pump. Correctly installed your new pump should give you years of trouble free operation.

When selecting a location for your swimming pool pump and filter you must ensure that the pump is installed in a dry, well ventilated area that is free from flooding.

On new swimming pool installations please ensure that the swimming pool pump location complies with all local and national guidelines.

Pump performance can be affected by many factors so it is important to make sure the pump is located as close as practical to the skimmer box of the pool or other points such as spa or solar suction.

The pool pump is not to be installed 300mm higher than the water level of the swimming pool without first consulting the manufacturer.

To successfully install your new Poseidon swimming pool pump you will require the following additional products.

- UPVC type brushable glue to AS/NZS 3789 & 2032 Green or clear in colour.
- Priming fluid (pipe and fitting) cleaner.
- 40 or 50 mm Poseidon Non Return Valve depending on size of your suction line.
- UPVC pipe either 50mm or 40mm class 9 or class 12 (depending on size pipe at your pool).
- UPVC class 18 fittings such as joiner couplings, elbows and tees as required.
- Where installation of the pump is to be below the pool water level it is advisable that you purchase and install a plastic two way valve (on/off) to enable you to isolate the pump when servicing is required.

INSTALLATION INSTRUCTIONS

When installing your Poseidon swimming pool pump you should ensure the following.

- The pump suction line should be no smaller than 50mm on new pool installations
- For existing swimming pools with 40mm suction lines your Poseidon swimming pool pump will retro fit successfully if the rest of the steps are taken.
- **The suction line is to have as few bends or elbows as possible.** See (figure below).



TIP

BOTH THE SUCTION LINE AND PUMP TO FILTER LINE IS TO HAVE AS FEW BENDS AS POSSIBLE

- Place pump in a position where it is easy to connect plumbing to the filter system. The fewer bends the better the performance of the pump. (see figure above)
- Use the assembly unions supplied with the pump only (see figures below) ensure that when you screw the unions onto the pump that the o-ring is seated correctly to the recessed groove on the tail piece of the union.

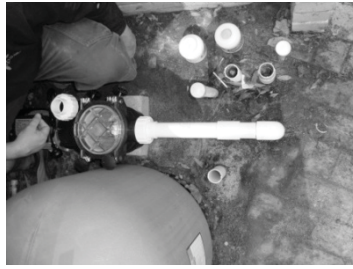


Attaching unions to the front and top of the swimming pool pump

- Clean the fittings and pipe ends to be glued using UPVC priming fluid before gluing. Use a clean rag to wipe clean all surfaces to be glued with the priming fluid. This allows the solvent (glue) to adhere correctly.



- Cut the suction pipe to the required length, check that you have allowed enough play in the pipe and fitting to glue together without affecting your alignments to the filter system. (see figures below).



TIP

WHERE PUMP IS FITTED ABOVE WATER LEVEL IT IS ADVISABLE TO INSTALL A POSEIDON NON RETURN VALVE IN FRONT OF THE PUMP ON THE SUCTION LINE, TO PREVENT THE SYSTEM DRAINING DOWN AND RUNNING THE PUMP DRY

- Cut the connection pipe to the filter system and align it up using as few PVC elbows or bends as possible. (see figures below).



TIP

CUT RISER PIPE AND CROSS PIPE AS ABOVE NOTICE ONLY TWO BENDS

- Once you have cut and measured pipe for the suction line and the pump the filter line it is advisable to connect them up and check alignment before cleaning the fittings and gluing them together.
- Once you are satisfied that you have correctly aligned the pipe and fittings you can proceed to glue the system together.



- Allow sufficient time for the glue to dry before priming the pump (**see initial start up**) and testing it.
- Once you have checked the system and there are no leaks please leave the system switched off for approximately 24 hours to allow the solvent (glue) to fully set.
- You have now successfully installed the pump.
- The pump electrical cable must NOT be tampered with or extended without consulting manufacturer.
- All wiring (electrical) work must be carried out by licensed electrical contractors and must be installed in accordance to the local codes.
- The motor must be grounded.
- The weight of the plumbing and fittings is to be independently supported and not carried by the pump.
- Do not run your Poseidon swimming pool pump on an extension lead.

STARTING YOUR POSEIDON SWIMMING POOL PUMP

The Poseidon swimming pool pump is designed to prime and deliver water continuously provided the pump hair and lint pot does not lose water.

Therefore we suggest you install a Poseidon non return valve before the pump to ensure the pump remains full of water.

Many swimming pool installations already have a non return valve in the suction line (usually close to the skimmer box) for this purpose

If you lose water from the hair and lint pot bowl at the front of the pump it will be necessary to re fill it before starting.

INITIAL START UP

1. Remove the clear lid and fill the hair and lint pot bowl with water.
2. Replace the lid ensuring the o-ring is correctly fitted.
3. Make sure all barrel union o-rings are correctly fitted into recessed grooves and firmly tightened.
4. Ensure all suction and discharge valves are open before you start the pump. Operating the pump with valves in the off position can damage the pump and plumbing.
5. Stand clear of pump and turn it on. Once you have turned on the pump allow a few minutes (max) for the pump to pull water and operate.

TIP

LONG SUCTION LINES OR HIGH SUCTION LIFT CAN AFFECT THE TIME IT TAKES TO PRIME THE PUMP

If the pump does not prime successfully please repeat the above procedure. Generally the pump should operate once the procedure has been correctly followed.

Please refer to the trouble shooting guide if you cannot successfully start the swimming pool pump.

TIP

RUNNING THE SWIMMING POOL PUMP WITHOUT WATER IN IT WILL DAMAGE THE INTERNAL PARTS AND MAY VOID WARRANTY.

MAINTENANCE

The hair and lint basket in the front of the pump needs to be inspected frequently for debris build up. Failing to clear this basket of debris will affect the performance of the pump and potentially damage the internal components of the pump.

1. Using the lid tool where provided remove the clear lint pot lid.
2. Remove the basket, clear debris and hose off with clean water if necessary.
3. Check that the lid o-ring is well lubricated (Use only silicone based lubricants).
4. Replace the basket back into the hair and lint pot.
5. Re-fill the hair and lint pot with water (Priming).
6. Ensure the o-ring is located in the correct position.
7. Replace the lid and tighten using the lid tool where provided. **DO NOT OVER TIGHTEN.**
8. Re start pump (as per instructions in initial start up section).

Your Poseidon swimming pool pump is fitted with a drain plug at the base of the pump body. This feature is for use where the pump is exposed to freezing conditions to allow water drain down in times of inactivity.

Poseidon recommends that if the pump is not being used during freezing (winter) weather then it should be drained of water completely and stored away.

When you re install the pump check all seals and o-rings are in good working condition, lubricate if needed using silicone based lubricants only.

Care should be taken to ensure that before starting the Poseidon swimming pool pump after periods of inactivity that the pump motor shaft freely spins.

To do this

1. Have the pump disconnected from the power supply
2. Using a screw driver (flat head) place onto the shaft at the rear of the pump motor through the motor fan cover. In the centre of the cover is a hole for this purpose.
3. Turn the pump shaft in a clockwise direction to ensure it freely turns. If the unit does not turn please contact our help desk for further instruction.

If all steps are successful you may now connect the pump up and commence restart.

TROUBLE SHOOTING GUIDE

PROBLEM	POTENTIAL CAUSE	CORRECTION
Pump won't prime	Air in the system	Ensure that there is sufficient water in the swimming pool; tighten all fittings, clean hair and lint basket out of debris.
	No water in the pump hair and lint pot	Fill hair and lint pot with water
	Closed valves or blockages	Ensure all valves are open, clean out any debris in skimmer box basket, clean out hair and lint basket
Motor won't switch on	No power to pump	Make sure power supply to pump is on. Check and reset circuit breaker. Check all timers, if motor faulty contact Hy-Clor
Poor water flow	Dirty filter	Back wash or clean filter
	Full skimmer box	Clean skimmer box of debris
	Full hair and lint basket	Clean hair and lint basket
	Valve shut or blocked	Ensure valves are open and turn freely
Noisy pump sound	Air in the system	Refer to pump prime
	Debris caught in impeller	Contact Hy-Clor help desk
	Bearings in motor	Contact Hy-Clor help desk
	Air in system	Refer to pump prime
Hot motor	Insufficient ventilation	Ensure adequate air flow around pump
	Installed in direct sunlight	Please ensure that the unit is out of direct sun light Poseidon pumps are fitted with auto cut out for overheating and will cut out the motor if it gets too hot. Warning, pump may start without warning
Motor cuts out	Motor running too hot	See above
	Low voltage	Contact electrician Ensure pump is not running on extension leads.
	Faulty motor	Contact Hy-Clor help desk

Please refer to you warranty book for more information.

If you experience any difficulties either with installation or service and operation during the stated warranty periods please contact the Hy-Clor help desk for advice. 1800 625 123

Failure to do this may void warranty.

All electrical repairs are to be undertaken by Authorized Hy-Clor Australia representatives only. Under no circumstances are you to touch or attempt electrical repairs.

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