



**HY CLOR 1HP
Inverter
Variable
Speed Pool
Pump**



HY CLOR 1HP Inverter Variable Speed Pool Pump Installation Guide

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HY CLOR 1HP Inverter Variable Speed Pool Pump



Product Information

Specifications:

- Model: HYCINV10 (SMP7502E) 1 HP & HYCINV15 (SMP1102E) 1.5HP
- Version: 1.3
- Energy Rating: 6 stars
- Designed for: Pool or spa

Product Usage Instructions

Installation

Pump Location: Choose a well-drained area with good air circulation to prevent motor overheating. Avoid damp or poorly ventilated locations.

Plumbing Connection: Install isolating valves in the pipework between the pump and skimmer box and the return pipe to the pool if the pump and filter are below water level.

Electrical Connection: Shield electrical components from weather conditions. Ensure proper ventilation and air circulation if installed in an enclosure or under a spa.

Start-Up & Operation

General Start-Up Guide: Follow the manual for initial setup. The pump includes a preset priming feature that runs for 3 minutes at maximum speed before transitioning to the user-set speed.

Ongoing Operation: Monitor pump performance regularly for optimal efficiency.

Button Descriptions and Functions: Familiarize yourself with the buttons for manual control and settings adjustments.

Programming the Pump

Manual Mode: Allows manual control with preset features.

Auto Mode: Enables automatic operation based on set parameters.

Regular Service and Maintenance

Perform regular maintenance as per the guidelines to ensure longevity and efficiency of the pump.

Error Codes & Troubleshooting

Familiarize yourself with the display error codes and general troubleshooting steps in case of any issues.

Impeller Check

Refer to the manual for instructions on how to check and maintain the impeller for optimal performance.

Pump Spare Parts & Breakdown

Refer to the breakdown section in the manual for information on spare parts and their availability.

Warranty Terms and Conditions

Review the warranty terms and conditions provided with the product for information on coverage and claims process.

Frequently Asked Questions (FAQ):

- **Q: How do I temporarily bypass the preset priming feature?**

A: Press and hold the Up and Set buttons simultaneously for 3 seconds to activate the menu system and bypass the priming feature.

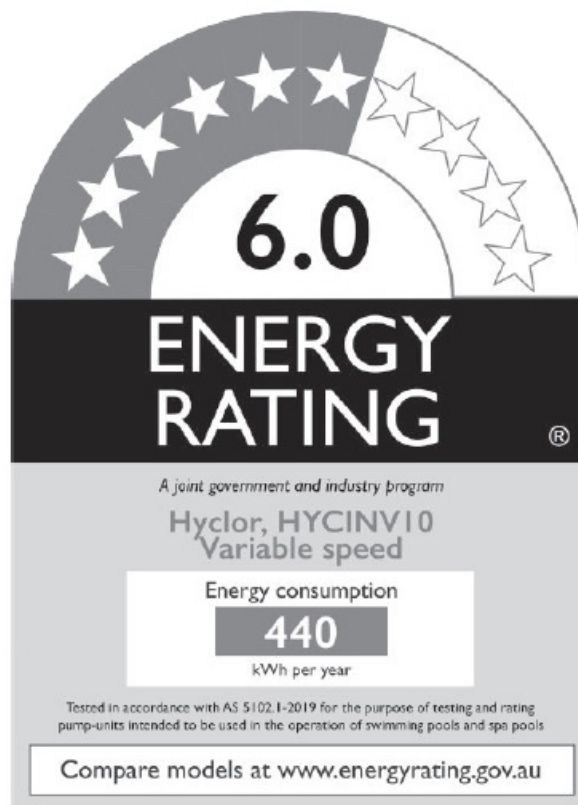
- **Q: What should I do if a suction cover is broken, missing, or loose?**

A: Do not operate the swimming pool or spa until the suction cover is fixed or replaced to avoid suction entrapment.

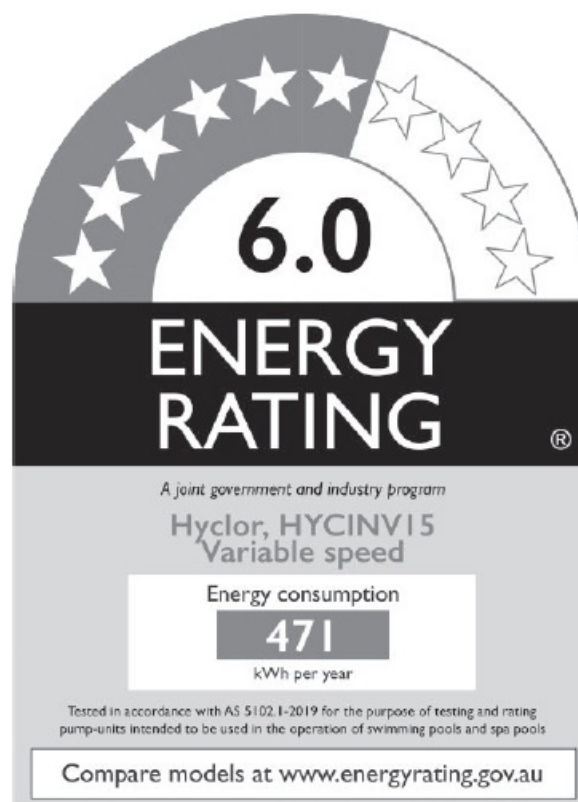
INTRODUCTION

Congratulations on your choice of the Hy-Clor Inverter Pool pump. It is rated at 6 stars and designed specifically for your pool or spa. When used correctly, this Belgian-designed pump will save you money on energy costs while maintaining whisper-quiet operation and keeping your pool sparkling clean all year round. Your new HYLOR Inverter Pool Pump is powered by a patented, revolutionary permanent magnet brushless DC motor controlled by advanced electronic logic, providing cooler, quieter operation at a fraction of the cost of a standard pump. It is also internally water-cooled, benefiting from a smaller footprint and quieter sound. While the pump comes with factory-standard settings, the controller can be configured to suit the user's needs. Refer to section 6.0 for details. Additionally, note that the pump features both Manual and Auto modes, eliminating the need for an external timer to turn the pump on or off.

Note: The Manual mode includes a preset priming feature that runs for 3 minutes at maximum speed before transitioning to the user-set speed. To temporarily bypass this feature, press and hold the Up and Set buttons simultaneously for 3 seconds to activate the menu system.



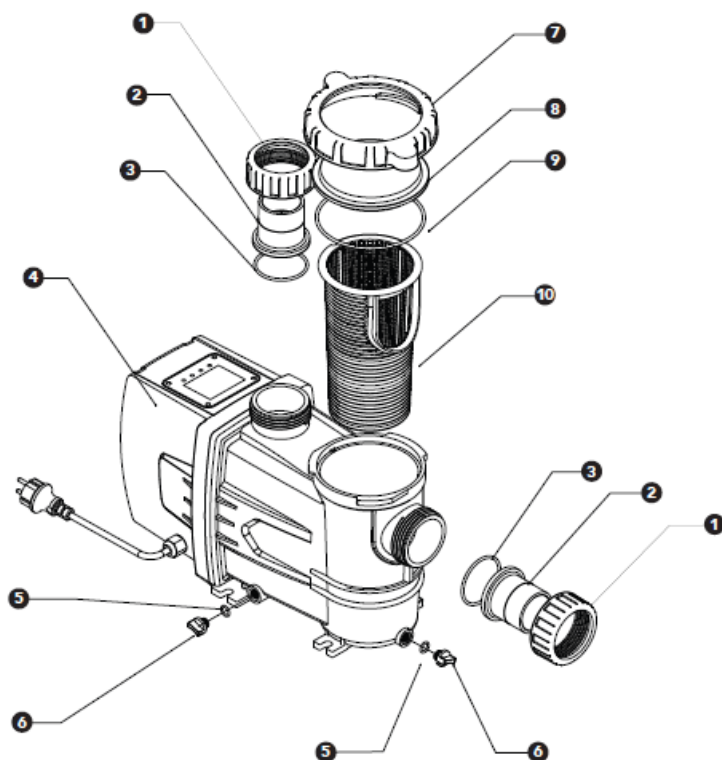
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CARTON CONTENTS

Item	Description	Qty
1,2,3	Union Set 40 + 50mm	2 Sets
4	Motor	1
5,6	Drain Set	2 Sets
7,8,9	Lid Kit	1 Set
10	Pump Basket	1
N/A	Manual	1



SAFETY INFORMATION + WARNINGS

INSTALLATION AND HAZARDOUS SUCTION:

1. **WARNING: Hazardous Suction.** Pump suction is hazardous and can trap hair and body parts, resulting in severe injury or death. Do not block filtration suction lines with any part of your body. If someone becomes trapped, immediately turn the pump off.
2. **WARNING: Two suction inlets** (minimum 500mm apart) must be provided into every pump to avoid suction entrapment. If a suction cover is broken, missing or loose, do not operate the swimming pool or spa.
3. If the pump and filter are located below water level, it is necessary to fit isolating valves in the pipework between the pump and skimmer box and the return pipe from the filter back to the pool.
4. The fittings of this pump are constructed of ABS. Some PVC joining compounds are incompatible with ABS. Check compound stability before use.
5. While this product is designed for outdoor use, it is strongly advised to shield the electrical components from weather conditions. Choose a well-drained area that won't flood during rain. It requires good air circulation for cooling. Avoid installing in damp or poorly ventilated locations. If installed within an enclosure or under a spa, ensure adequate ventilation and air circulation to prevent motor overheating.

ELECTRICAL SAFETY:

1. The installation should be carried out in accordance with the safety instructions of swimming pools, especially AS/NZS 3000, and the specific instructions for each facility.
2. The pump power must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30mA.
3. WARNING: Fire and Burn Hazard. Motors operate at high temperatures and can cause fires if not properly isolated. Allow the motor to cool before performing maintenance.
4. WARNING: Failure to install according to defined instructions may result in severe personal injury or death.
5. WARNING: Use of unauthorized replacement parts voids warranty.

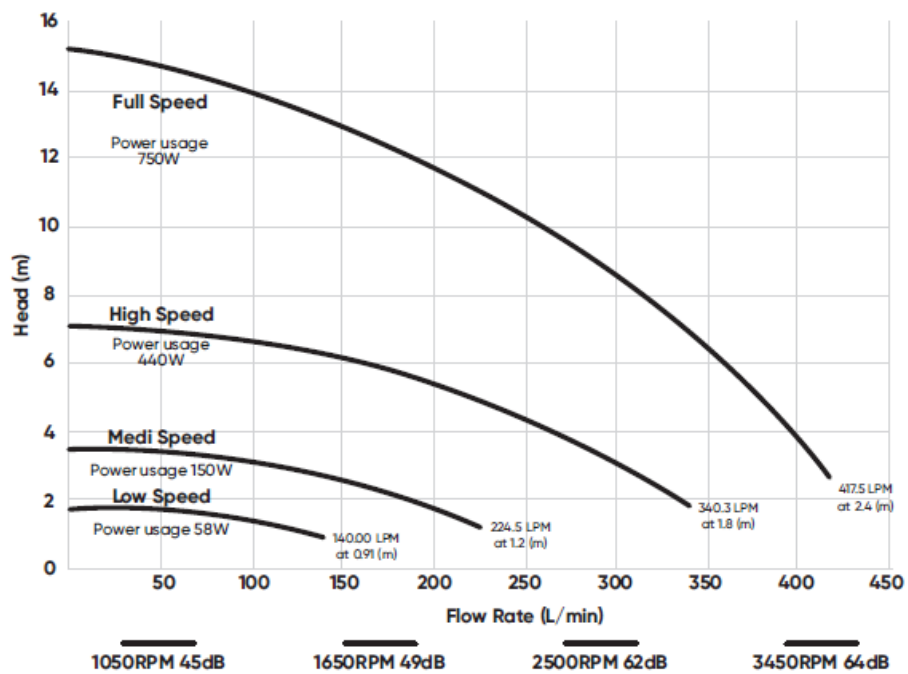
OPERATIONAL GUIDELINES:

1. Routinely check the pump basket, skimmer, and entire pool system to maximize the life of the pool equipment and personal safety. Always turn the pump off before carrying out checks and maintenance.
2. The pump must be protected from running dry. The pump is water-cooled and needs water circulation to cool the core components. Avoid prolonged instances of no flow or low water.
3. DO NOT ADD CHEMICALS DIRECTLY TO THE POOL SKIMMER. Adding undiluted chemicals may damage the pump or any equipment in the filtration system.

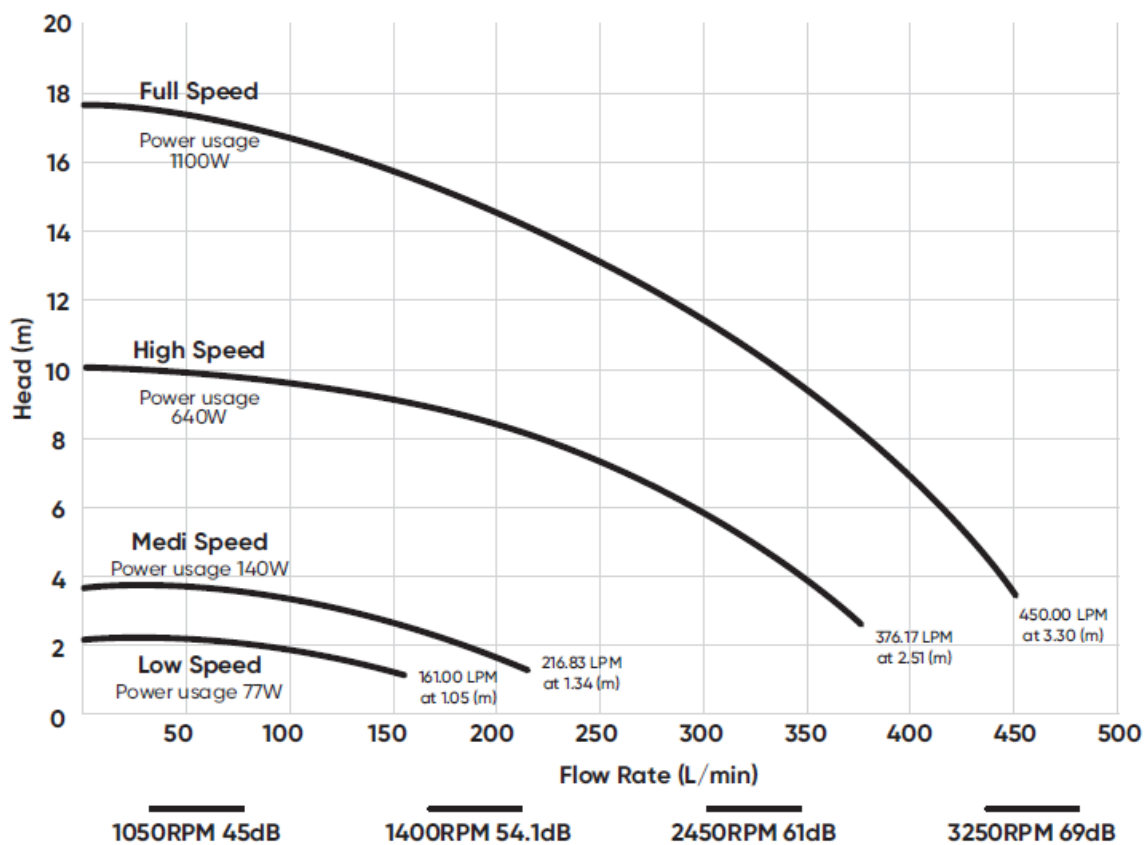
TECHNICAL SPECIFICATIONS

MODEL	Input Power	Horse - power	Max. flow Rate (LPM)	Min/Max. head (m)	Recommended Pool Size	Max Pool Size	Suggested filter size	RPM
HYCINV10 (SMP7502E)	750W	1	420	1.9m (LOW)1 3.5m (FULL)	45,000lt	65,000lt	24 – 25 inch Sand Filter	1050-3450
HYCINV15 (SMP1102E)	1100W	1.5	450	2.1m (LOW)1 7.5m (FULL)	75,000lt	100,000lt	25 – 28 inch Sand Filter	1050-3250

HYCINV10 (SMP7502E) Performance Curve

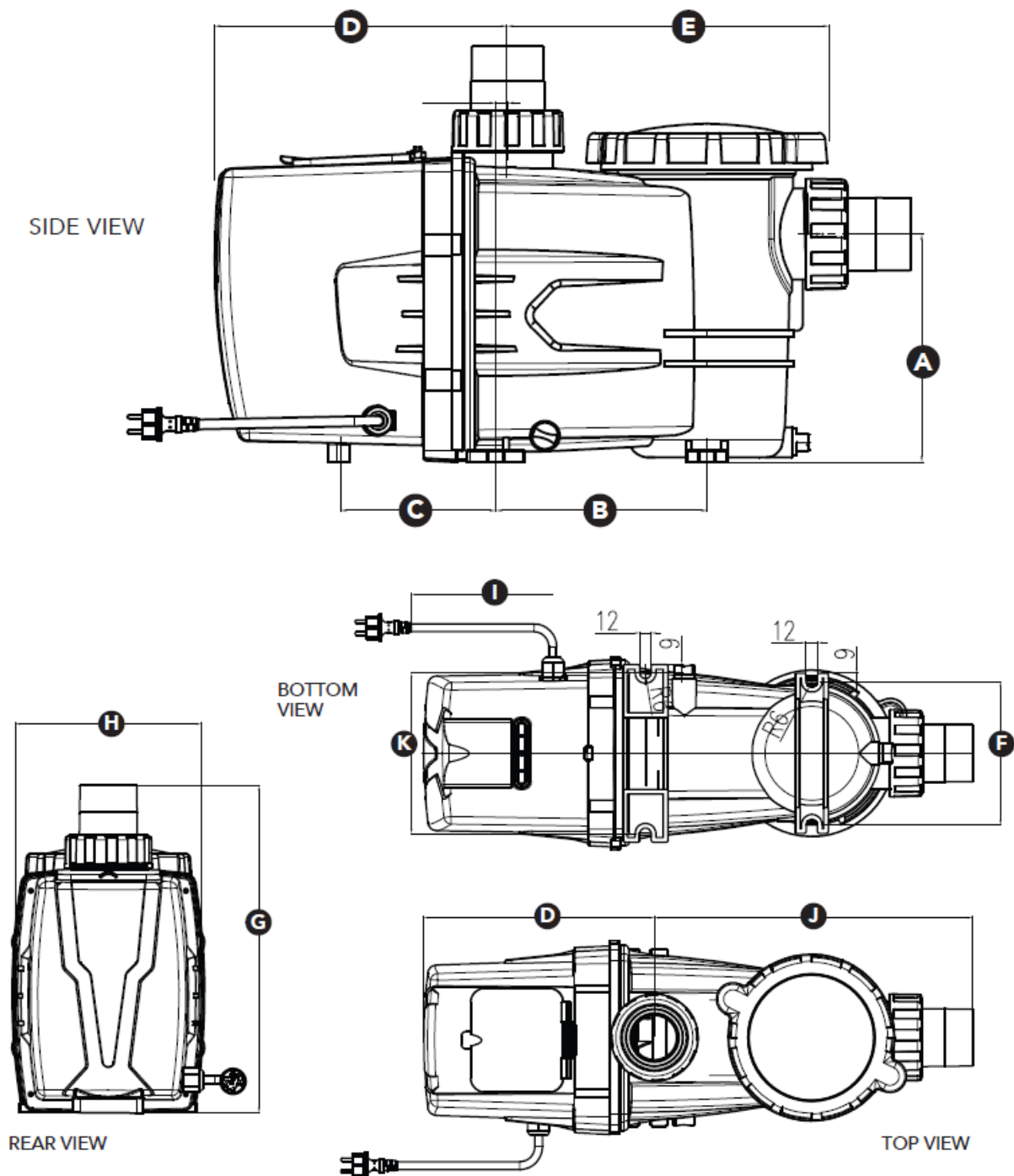


HYCINV15 (SMP1102E) Performance Curve



PUMP SIZE CHART

Pump	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
HYCINV10 (S MP7502E)	190.1	179.5	129.5	227.9	271	151.4	281	196.1	1700	336.2	170
HYCINV15 (S MP1102E)	190.1	179.5	129.5	244.5	271	151.4	281	196.1	1700	336.2	170

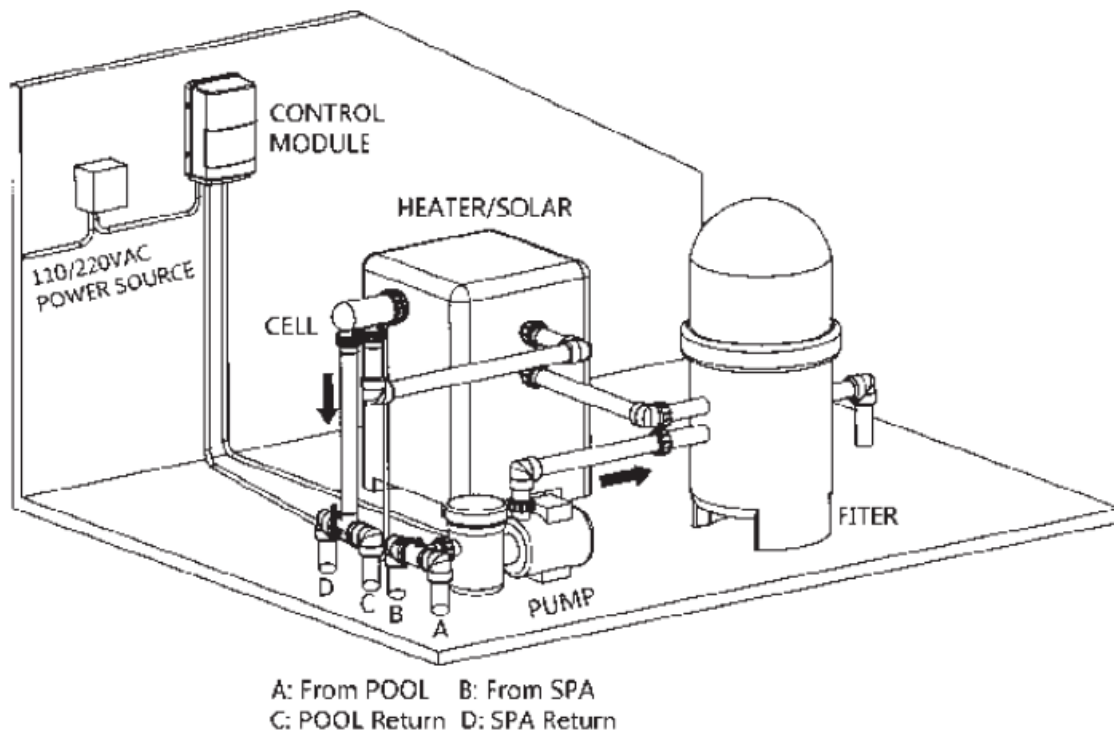


INSTALLATION

The pump is designed and to be maintained as the of the Australian standard for swimming pools and water quality (AS3633).

PUMP LOCATION

1. The pump should be placed as close to the water as practical in accordance with any relevant regulations or recommendations.
2. Mount the pump on a sturdy base in a well-drained area, raised sufficiently to prevent any potential flooding.
3. It is the responsibility of the installer or owner to position the pump so that it remains accessible for servicing.
4. Suction and return pipe diameter need to be equal or greater than the discharge line diameter.
5. Although the pump is designed for outdoor use, it is strongly advised to protect the electrical components from the weather.
6. It is recommended that the minimum length of piping, equivalent to approx. 250mm to be used between the suction inlet and any plumbing fittings.
7. It is advised to position the pump so the display screen and lid can be accessed with relative ease.
8. A clearance of 250mm is required behind the motor for ease of removal of the motor shell for service/maintenance.
9. DO NOT store gasoline or other flammable gases or liquids in the vicinity of this pump.
10. DO NOT store pool chemicals near or in the vicinity of this pump.



PLUMBING CONNECTION

1. The piping should be as direct and free from turns or bends as possible as elbows and other fittings can greatly increase friction losses.
2. If the pump is located below water level, isolation valves must be installed on both sides of the pump to prevent the back flow of pool water during any routine or required servicing.
3. Use PVC fittings for all connections. The pump comes with both 50mm + 40mm union sets suited for PVC pressure pipe only. The suction and discharge pipes must not be smaller in diameter than the pump fittings (otherwise flow rates may be affected).
4. Use Plumbing Cleaner Primer to clean and prepare the pipe ends ONLY. Place the Union Collars over the pipe ends. Using plumbing Solvent Cement glue (type P), attach union sockets to the pipe ends. Allow at least 24 hours for the adhesive to dry thoroughly before starting the pump.

5. Ensure that the O-rings are fitted to the Union Sockets and apply a silicon-based lubricant if required. Also, check that the pump basket lid O-ring is sufficiently lubricated.
6. Connect the Unions to the pump by tightening the Union Collars by hand (do not use any tools to tighten the collars as damage may occur).
7. Suction and discharge lines should be independently supported at a point near the pump to avoid strain being placed on the pump.

ELECTRICAL CONNECTION

1. This pump is suitable for connection of a nominal 230 V AC 50hz power supply.
2. The motor is equipped with a flexible cable and 3-pin plug. If a power outlet is not available within 1.5 meters of the pump, a 3-pin power point in a safe dry place will need to be provided by an electrician.
3. The pump power must be supplied through a residual current device (RCD) having rated residual operation current not exceeding 30mA.
4. Extension cords are unsafe around pools and must be avoided.

START UP & OPERATION

GENERAL START UP GUIDE

1. CAUTION: Never run the pump without water. Running the pump “dry” for any length of time can cause severe damage to both the pump and the motor and will void the warranty.
2. Make sure all piping is clear of debris and has been properly pressure tested especially in the case of a new construction. Special care must be taken to ensure no small pebbles are ingested into the pump as this voids the warranty.
3. The filter should be checked for proper installation, verifying that all connections are secure according to the manufacturer’s recommendations.

Note: Installing this pump on a filter that cannot take the flow rate will also void the warranty and potentially damage the pool equipment. See section 3.0 for Technical Specifications.

4. Depending on the location of the pump, do one of the following:
 1. If the pump is located below the water level of the pool, open the filter pressure valve to prime the pump with water.
 2. If the pump is located above the water level of the pool, remove the lid and fill the basket with water before starting the pump. (This may need to be repeated 2-3 times to fill all the pipework)
5. Hand-tighten the lid collar to make an airtight seal, ensure the O-ring is in place. Do not use tools to tighten the lid.
6. Make sure all valves are open and the unions are tight with O-rings installed. Turn on the pump, the pump will take a short time to prime. No further priming should be required.
7. If as strong prime has not occurred within 5 minutes, switch off the pump and repeat the procedure above. Allow the pump to cool for 5 minutes before reattempting the priming process.

ONGOING OPERATION

The HYCLOR INVERTER PUMP comes with Factory Preset speeds,

MODE	RPM (1hp)	RPM (1.5hp)	APPLICATION BEST SUITED FOR
LOW	1050	1050	Maximum energy saving
MEDI	1650	1400	Slightly boosted speed for filtration + chlorination.
HIGH	2500	2450	Gentle spa jet action and filtrations at times of heavier pool use. (Suction cleaners likely need this or above to function)
FULL	3450	3250	Vacuuming, backwashing and operation of spa jets or water features.

Speeds are adjusted in intervals of 50 RPM. These speed settings can be saved in auto mode to program timers. In manual mode, speeds cannot be changed or overwritten. If the user manually sets a speed (e.g., 1300 RPM), the pump will remember this speed after the initial priming time is completed. However, if the user changes the speed mode (e.g., to 1300 RPM on LOW), the manually set speed will be forgotten and will revert to the original speed (e.g., 1150 RPM).

BUTTON DESCRIPTIONS AND FUNCTIONS

The pump control panel features:

1. "RUN/STOP" Button: Used to start or stop the pump. In Manual Mode, stopping the pump keeps it off until restarted. In Automatic Mode, stopping the pump activates it at the next programmed time segment.
2. "SET" Button: In Manual Mode, toggles between default speeds. In Automatic Mode, enters programming mode or proceeds to the next programming item within a segment (T). Hold for 3 seconds to exit a segment in Automatic Mode.
3. "UP" Button: Increases pump speed in Manual Mode. Also navigates upwards during time programming and adjusts time/speed upwards in Automatic Mode segments. Holding rapidly increases the value.
4. "DOWN" Button: Decreases pump speed in Manual Mode. Also navigates downwards during time programming and adjusts time/speed downwards in Automatic Mode segments. Holding rapidly decreases the value.
5. Combination Button Functions:
 1. Pressing "UP" and "DOWN" simultaneously switches between Automatic and Manual modes. (if in priming mode you will need to cancel that first see V.III on page 10)
 2. Holding "RUN/STOP" and "SET" for 3 seconds sets the current time. To cancel, press "RUN/STOP" and "SET" again.
 3. Holding "SET" and "UP" for 3 seconds while the pump is in manual mode and just turning on temporarily disables the priming start-up feature allowing user input.



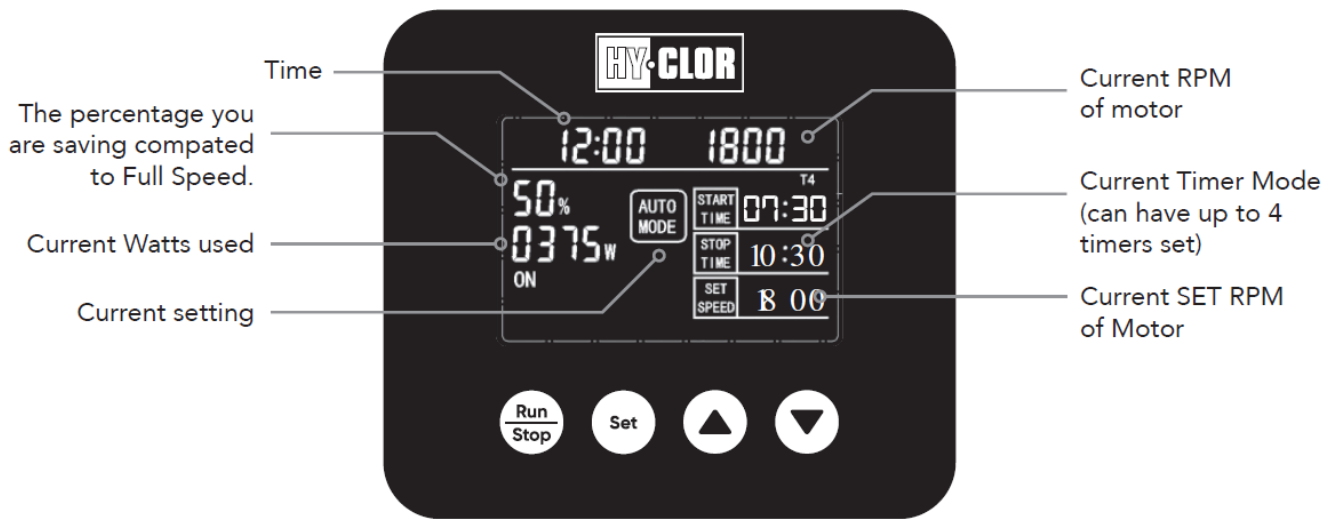
PROGRAMMING THE PUMP

DISPLAY SCREEN EXPLAINED

MANUAL MODE:

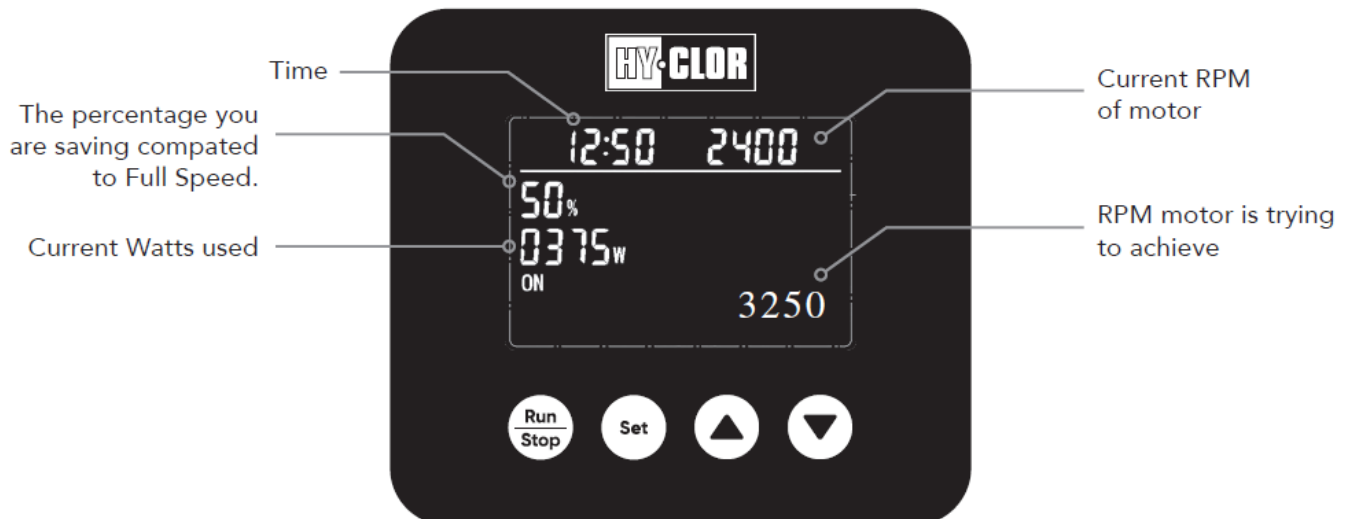


AUTO MODE:



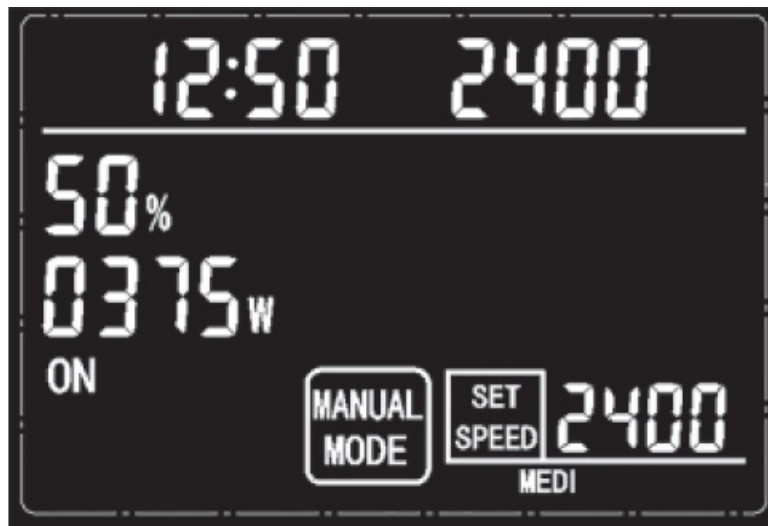
PRIMING MODE:

Note: If the pump is in Manual mode, it will enter priming mode for the first 3 minutes. See 6.2 to temporarily disable this mode. User input is not accepted in this mode apart from “Run/Stop”.



MANUAL MODE

This mode is useful if the pump is controlled by an external timer such as a chlorinator. It will remember the user set speed “Mode” and turn on when power is restored. The HY-CLOR inverter pump will automatically start at “FULL” speed for 3 minutes to ensure the pump is primed completely before changing over to the user’s set speed mode. All functions except ‘STOP’ and ‘START’ are disabled until the “Priming Mode” has ended. To temporarily disable this and swap speeds or change to auto mode press the “UP” and “SET” Buttons for three (3) seconds to activate menu system.

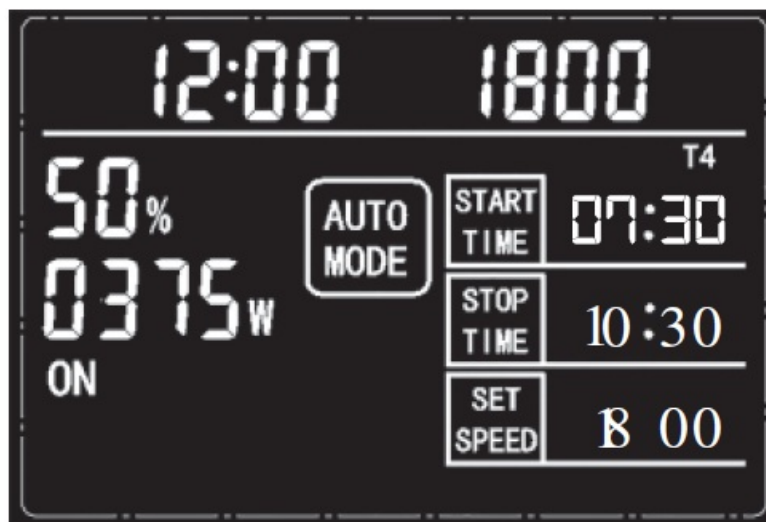


While in manual mode, the speeds cannot be changed or overwritten. If the user manually sets a speed (e.g., “HIGH” from 2100 RPM to 2500 RPM), the pump will remember this speed after the initial priming time is completed, however, it will not overwrite the initial speed setting. If the user changes the speed mode to another mode, the “HIGH” speed setting will revert to 2100 RPM and require reprogramming. After the initial 3 minutes the pump will resume the user set speed as normal.

AUTO MODE

This mode is suited for users that do not have an external timer and want the pump to be self-sufficient.

Note: Auto Mode will not function until “Current Time” and “Timers” & “Speeds Parameters” are programmed. Follow the instructions below to program Current Time and the Times & Speeds Parameters for each segment. To set the current time, simultaneously press the “RUN/STOP” and “SET” buttons for 3 seconds. The hour setting will start flashing. Use the “UP” or “DOWN” buttons to adjust the current hour. Press the “SET” button once to move to the minute setting, then adjust the minute using the “UP” or “DOWN” button.



Programming Time Segments and Operating Speeds (“T” Segments):

- Maximum Segments: Up to 4 timing segments (“T1” to “T4”) can be programmed.
- Parameters: Each segment includes Start Time, End Time, and Operating Speed.
- Programming Start: Programming starts with “T1” by default.
- Setting Parameters: Use the “SET” button to begin programming a segment. Adjust Start Time, End Time, and Operating Speed using the “UP” or “DOWN” buttons. Press “SET” to save each setting and move to the next parameter.

- **Saving and Exiting:** Press and hold the “SET” button for 3 seconds to save and exit the programmed segment.
- **Switching Segments:** Use the “DOWN” button to move to the next segment (e.g., “T2”) for programming.
- **Correcting Mistakes:** If a mistake is made, press “SET” to go back to the setting you want to change. Use the “UP” or “DOWN” buttons to adjust the setting.
- **Automatic Saving:** If no button is pressed for more than 8 seconds during programming, the settings for that segment will automatically save and exit.
- **Overlapping Times:** Times programmed in “T2”, “T3”, or “T4” segments must not overlap with other segments to avoid programming errors.
- **Fast Deletion:** Set the hour in the Start Time to “23” and press the “UP” button once to delete all settings under that segment. Alternatively, set the hour in Start Time to “00” and press the “DOWN” button once to delete all settings under that segment.

REGULAR SERVICE & MAINTENANCE

To achieve a maximum potential life expectancy from the pump, ensure the following steps are taken:

1. Empty the skimmer basket regularly. The regularity will vary from pool to pool, for example:
 - Where you may have lots of leaves and debris you should empty the basket twice or more for each operating cycle, particularly when using a suction type of cleaner.
 - Where you may have minimal leaves and debris the basket may only require checking weekly.
 - Always remove children’s toys or balls from the pool when not in use.

Check for leakages. Carry out weekly inspections, for example:

 - Check around the pump, filter, chlorinator, and heater (where fitted) where water can leak from all or some of these components.
 - If water is present, whether you can see the source of the leak or not, contact Hyclor/Pool professional immediately. This may reduce the possibility of major pump damage.
2. Inspect and empty the pump lint basket at least weekly:
 - Turn pump OFF at the mains power supply.
 - Close all valves (where fitted), to prevent water loss through pump.
 - Remove cleaner plastic screw down lid off the pump.
 - Remove plastic basket and empty the contents. If a sock or filter has been fitted, inspect it for holes and replace if necessary.
 - Inspect the chamber housing of the basket, ensure no debris, pebbles or leaves have fallen in whilst removing the basket, remove all foreign material.
 - Return the basket into the chamber, there are two sets of guides for the basket to sit in. Ensure the basket is correctly seated to avoid any damage to the pump.
 - Lubricate the O-ring. The O-ring can be located on top of the chamber where the lid screws on, use a silicone lubricant ONLY (Do NOT use petroleum gel or axle grease as this will damage the O-ring).
 - Replace the screw-down lid firmly by hand only.
 - Re-open and valves (where fitted) that were closed in step (b) above.
 - Operate the pump. It is essential that the pump be operated after carrying out the above procedure, this will purge any air from the system. Start the pump and wait until the lint basket is full of water. Then where fitted, open air bleed fitting on the filter to expel air. Once the stream of water emerges all air is gone, and the air bleed valve can be closed.

3. Dirty Filters, Restricted water flow from a dirty filter can cause the pump to overwork thus shortening its lifespan. Please follow the filter manufacturer's guidelines for the method and frequency of cleaning.
4. Noisy Pump. As with all mechanical devices, if more noise than usual is heard coming from the pump, notify HY-CLOR. A noise can indicate a fault and the longer this is left unattended the risk of increased damage can occur resulting in an expensive repair or replacement.
5. All Pebblecrete or similar pools should initially be fitted with a skimmer sock in either the skimmer basket or in the pump lint basket to prevent damage to the pump because of loose stones making their way through the system. Should a sock not be installed, any subsequent damage caused by loose pebble entering the pump impeller will void the warranty.

ERROR CODES + TROUBLESHOOTING

DISPLAY ERROR CODES

Computer Controlled Trouble Shooting Features:

1. High or Low Temperature Protection

When the motor temperature is higher than 90°C or is lower than -5°C, The pump will stop, and the error code TP is displayed. When normal motor temperature is restored, between 5°C to 60°C, The pump will start automatically according to user's automatic mode programming.

2. Blocking or Jamming Protection

When the motor impeller or the motor is stuck, the error code BP is displayed. The pump will automatically attempt to restart in 6 seconds. If restarting does not happen automatically after several attempts users need to check the impeller and motor. Always turn off power before attempting maintenance.

3. Voltage Overload Protection






When the controller has a fault such as overload or over current, the error code OL is displayed. The pump tries to restart in 6 seconds automatically if the pump is not damaged.

4. Phase-Loss Protection

When the main PCB detects a phase loss problem (e.g. the motor cable is not properly connected), the error code LP is displayed. The pump will try to restart automatically in 6 seconds after the cable is reconnected or the phase loss is resolved.

5. Communication Loss Protection

When a communication failure occurs between the display PCB and the main PCB inside the pump, the error code CP is displayed, and the pump

Code	Fault	Display	Possible causes	Solution
TP	High temperature or Low temperature protection		Temperature higher than 90°C or temperature lower than -5 °C	1. Wait for the temperature to return to normal 5°C to 60 °C.
BP	The motor impeller or the motor will not turn		<ol style="list-style-type: none"> 1. Pump sucked in impurities and the impeller is jammed. 2. Bearing damage / frozen the motor shaft. 	<ol style="list-style-type: none"> 1. The pump will attempt to restart in 6 seconds automatically. If restarting fails users need to check the impeller (see 9.0). 2. Contact HY-CLOR or take pump to repair technician.
OL	Voltage Overload		The output amperage is too high.	<ol style="list-style-type: none"> 1. The pump will try to restart in 6 seconds automatically if it is not damaged. 2. Contact HY-CLOR or take pump to repair technician.
LP	Phase Loss		There is a phase wire missing connection at the input.	1. The pump will try to restart automatically in 6 seconds after the phase wire has been connected.
CP	Communication Failure		<ol style="list-style-type: none"> 1. Loose connection cable between display PCB and main PCB; 2. Connection cable damaged. 	<ol style="list-style-type: none"> 1. After communication is restored, the pump will restart automatically. 2. Check the connection cable. 3. Contact HY-CLOR or take pump to repair technician.

GENERAL PUMP TROUBLESHOOTING

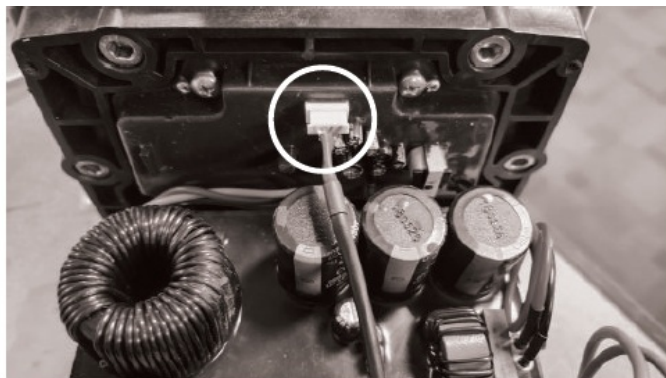
PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Pump will not prime	A: Suction air leak	Make sure see-through lid and O-rings are clean and are properly positioned. Hand tighten the see through lid. Tighten all unions and fittings on suction side of pump. Be sure water in pool is high enough to flow through to the skimmer (make sure skimmer flap is open and not stuck closed) Remove pool cleaner.
	B: No water in pump	Make sure strainer tank is full of water and free of air.
	C: Close valves or blocked lines	Open all valves in system. Clean skimmer and strainer tank. Put filter in recirculate mode (sand filter) or remove element (cartridge) and replace lid. If flow improves see filter manual or manufacturer for guidance. Open pump and check for clogging of impeller (see 9.0)
	D: Low voltage to motor.	Check power lines. Plug pump into another outlet.
Motor does not turn/ Hums / Will not start	A: No power to motor	Check that all the power switches are on. Be sure the fuse of circuit breaker in power box is properly set. Check pump on another switch and another power circuit.
	B: Pump Jammed	With Power off, open pump and check the impeller (see 9.0) This should be done by a pool professional – Not warranty issue. Error code will display “BP”
	A: Improper or loose wiring connections	Open all switches or relays. Reset tripped circuit breakers, GFCI's or blown fuses. Switch to a different outlet. Check if external timer is working, bypass if necessary.
Low flow	A: Dirty Filter	Backwash/clean filters. Sand filter: put into recirculate mode and test flow. If improved the filter may need cleaning or renewing Cartridge Filter: remove the cartridge element and put lid back on. If flow has dramatically increased the cartridge may need a thorough clean or replacing (cartridges normally need replacing every 2 years)
	B: Suction leak	See Pump will not prime.
	C: Under sized plumbing	The suction and discharge pipes must not be smaller in diameter than the pump fittings. Consult repair professional to fix pipe size issues.
Noisy Pump	A: Air Leak	See: Low Flow and Pump will not prime.
	B: Vibration due improper mounting Etc.	Mount the pump on a level surface. Use anti vibration pads if necessary (not included)
	C: Loose stones/debris in impeller	See section 9.0
	D: Incorrect Chemistry / Bearings / Age	Motor bearings noisy from normal wear, rust, overheating, or concentration of chemicals causing seal damage. This will allow chlorinated water to seep into bearings wiping out the grease resulting in rusting of the motor shaft and causing the bearing to whine. All seal leaks must be replaced at once. Have a qualified pump repair specialist replace the motor shaft seals and inspect the motor shaft for possible damage. If the motor shaft is damaged replace the motor.

HOW TO CHECK THE IMPELLER

This is a daunting task. If you are unsure how to do this, please read through the entire process before attempting to open the pump. HY-CLOR recommend you take the pump to a local pool shop or pump repair establishment to

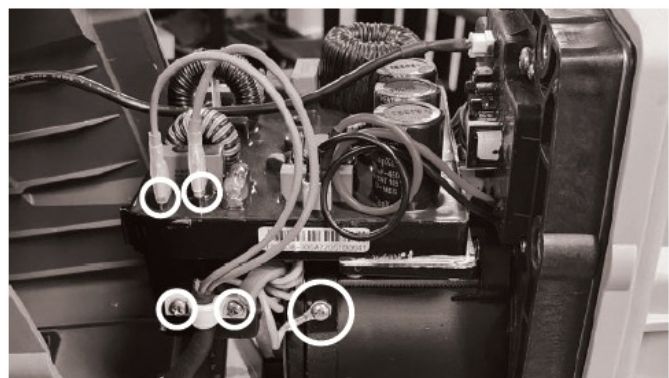
conduct checks on the impeller as electrical components will be exposed when undertaking this task. Please note that blockages in the impeller are not covered by warranty.

Step 1: Make sure power is disconnected to the pump. Make sure pump's capacitors are discharged. Use extreme caution.



Step 2: Remove 4x Y screws at rear of pump.

Step 3: Disconnect the signal wire for the display.



Step 4: (optional) To disconnect the power: Pull the two power clips plus unscrew the earth wire. This will allow you to remove the shell completely.

Step 5: Remove all 8 x bolts with an Allen key.

(Be careful there is a small O-ring that seals around the top on the body)



Step 6: A metal plate is held in place. Inspect it for wear/ warping. Behind this plate is another thicker O-Ring.

Step 7: The diffuser will either stay attached over the impeller requiring removal or will come part with the shell of the body.



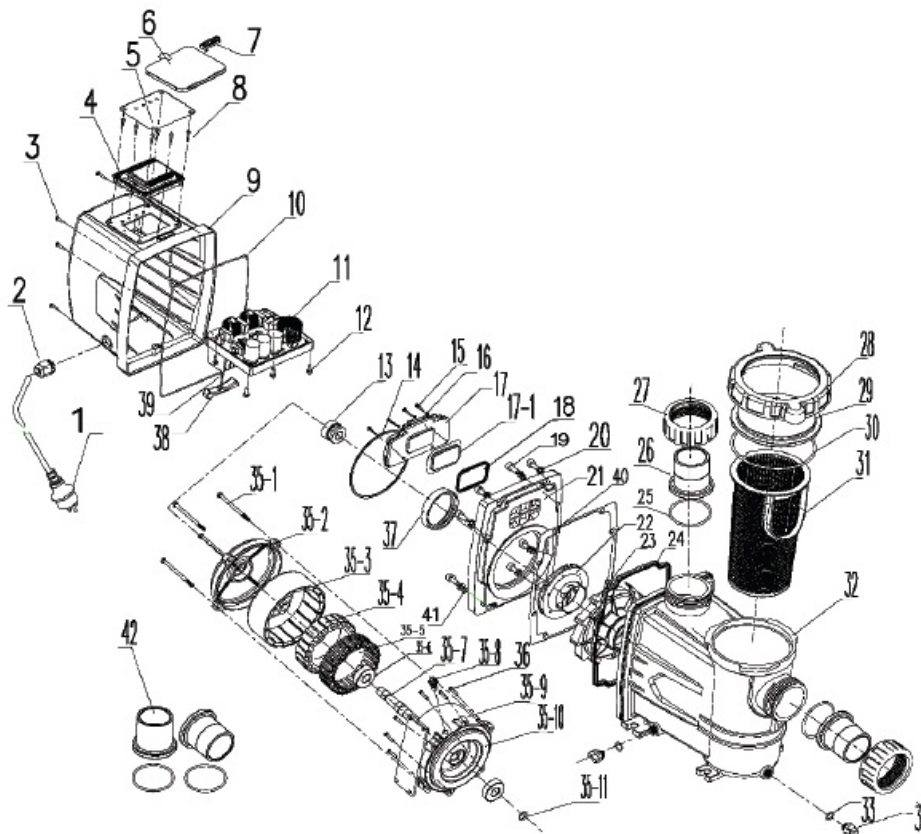
Step 8: Inspect the O-ring around the end of the diffuser that connects to the body for wear.

Step 9: Check the Impeller for blockages and reassemble in reverse make sure all O-rings are present and metal plate is assembled correctly right side up.

Note: All O-rings should be relubricated upon reassembly with silicon-based lubricant only.

- When retightening the nuts and screws back up use the tire method (star pattern) to alternately tighten them up.

PUMP SPARE PARTS + BREAKDOWN



Number:	Part Name	SKU
4 + 5 + 8	SCREEN MODULE KIT (SMP7502E)	SPINV-CM-KIT01
4 + 5 + 8	SCREEN MODULE KIT (SMP1102E)	SPINV-CM-KIT02
6 + 7	DISPLAY TRANSPARENT COVER	SPINV-TC-KIT
10 + 14 + 18 + 24 + 40	INTERNAL ORING KIT	SPINV-INOR-KIT
13 + (35-11)	MECHANICAL SEAL	SPINV-MOB-KIT
22 (a)	IMPELLER (SMP7502E) (1 hp)	SPINV-IMP01
22 (b)	IMPELLER (SMP1102E) (1.5 hp)	SPINV-IMP02
23	DIFFUSER	SPINV-DF
28+29+30	PUMP LID KIT	SPINV-LIDKIT-KIT
31	PUMP BASKET	SPINV-BK
25+26+27+42	UNION SET (40/50mm)	SPINV-UNION-KIT

These parts are the most common.

WARRANTY TERMS & CONDITIONS

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. Please read these warranty terms and conditions carefully. A failure to comply with these terms and conditions may affect any claim on warranty you may have on a product. Warranty is void if the pump is installed with a filter outside its designed flow rate. Refer to the Specifications Page for the pump's max flow rate and min filter sizes.

Item	Body	Lid	Motor + Bearings	Mechanical Seal	Display
Warranty Period	3 Years	3 Years	3 Years	3 Years**Subject to Wear and Tear and Pool Chemistry conditions.	3 Years

O-Rings/Unions and are considered consumables and not covered under warranty. Only the construction is covered. Only use PVC Cement for Pressure Pipes (TYPE P) on applicable areas only. Running the pool pump dry and addition of salt, chlorine and/or any other pool chemicals through skimmer or pump basket will void warranty. Warranty applies to the items only. There is no warranty or reimbursement for labour or parts to install the pump.

WARRANTY GENERAL CONDITIONS:

All products provided by HY-CLOR AUSTRALIA PTY LTD are warranted for defined periods of time (refer to product table). All mechanical swimming pool products supplied to consumers by HY-CLOR are to be installed or used in the manner they are manufactured for only. Warranty may be voided if the product or products claimed by the consumer under warranty have been used for purposes other than their designed or manufactured purpose. Where applicable, products supplied by HY-CLOR come with operation and installation manuals. All care must be

taken to install and operate the products according to these instructions. Failure to install or operate these products in accordance with these instructions may void warranty.

The chemical balance of the swimming pool water plays a significant part in the operational life of all swimming pool products, HY-CLOR recommends regular water testing using an approved swimming pool test kit. This warranty is valid for the original purchase and is not transferable. Keep your purchase docket, tax invoice or receipt as the proof of purchase, and as proof of the date on which the purchase was made. Modifications to any electrical product provided by HY- CLOR products are covered by a twelve-month warranty unless prior written approval has been granted by HY-CLOR and has been carried out by one of its authorized agents. All electrical installations must be carried out by a competent licensed professional. All pool filtration equipment including filters, pumps and salt chlorinators, must be kept in a dry well-ventilated area away from direct sunlight and in an area that is free from flooding or rain. This warranty does not cover normal wear and tear to the products or parts. To make a claim please contact:

HY-CLOR AUSTRALIA PTY LTD
178 POWER STREET
GLENDENNING NSW 2761
FREE CALL NUMBER 5 DAYS A WEEK 1800 625 123

PRODUCT HELPLINE

- AU: 1800 625 123
- NZ: (09) 973 2477
- help@hyclor.com.au
- www.hyclor.com.au

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Documents / Resources



[HY CLOR 1HP Inverter Variable Speed Pool Pump](#) [pdf] Installation Guide
1HP Inverter Variable Speed Pool Pump, 1HP, Inverter Variable Speed Pool Pump, Variable Speed Pool Pump, Speed Pool Pump, Pool Pump, Pump

References

- [Hy-C Premium Pool Chemicals and Pool Testing Products | Hy-clor](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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