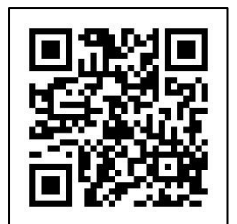




NEPTUNE NPR VARIABLE SPEED POOL PUMP



INSTALLATION GUIDE AND USER MANUAL



THANK YOU FOR PURCHASING A NEPTUNE POOL PUMP.
Please read the manual thoroughly before installing or using the product.
Keep this manual for future reference.

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SECTION 1: IMPORTANT WARNINGS AND SAFETY INFORMATION



This manual contains important information about the installation, operation, and safe use of this product. This information should be given to the owner and/or operator of the pool pump. When installing and using the pool pump, basic safety precautions should always be followed. Failure to follow safety warnings and instructions in this manual can result in serious injury and/or damage to your equipment. Read and follow all warning notices and instructions which are included in this manual.

GENERAL WARNINGS

- Read the instructions before installing and using the pool pump.
- Failure to follow these instructions and comply with all applicable codes may cause serious bodily injury and/or property damage and will void the warranty.
- Children should be supervised to ensure that they do not play with this product.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- This pump is for use with permanently installed in-ground or above-ground swimming pools and may also be used with hot tubs and spas with a water temperature under 50°C. Due to the fixed installation method, this pump is not suggested to be used on above-ground pools that can be readily disassembled for storage.
- This pump is not submersible.
- To reduce the risk of electric shock, replace damaged cord immediately.
- To reduce the risk of electric shock, do not use an extension cord to connect unit to electric supply; provide a properly located outlet.
- Never open the inside of the drive motor enclosure.
- Before servicing the pump, switch power OFF to the pump by disconnecting the main circuit to the pump and release all pressure from pump and piping system.
- This product contains electrical equipment. Dispose of the product in accordance with local regulations.
- Use only genuine replacement parts supplied by the manufacturer for service and repair.

INSTALLATION WARNINGS

- Only qualified personnel should install pump.
- Installers/operators must follow manufacturer's instructions and keep in compliance with national or local standards for installation. Under no circumstances will the manufacturer be held responsible for any outcome incurred by failure to comply with applicable standards or local regulations.
- The pump must be installed in accordance with AS3000 Wiring Standards. Failure to do so will void any warranty.
- Always comply with national and local electrical codes and standards.
- Connect only to a grounding type receptacle protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.
- For hot tubs and spa pumps, do not install within an outer enclosure or beneath the skirt of the hot tub/spa, unless so marked.

OPERATION WARNINGS

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of this product by a person responsible for their safety.
- Children shall not play with this product. Cleaning and maintenance shall not be conducted by children without supervision.
- NEVER run pump dry. Fill the pump with water before starting. In case of dry run, mechanical seal will be damaged and the pump will start leaking. This will void your warranty.
- Never tighten or loosen screws while the pump is operating.
- Ensure that the inlet and outlet of the pump are not blocked by foreign matter.
- DO NOT BLOCK PUMP SUCTION. To do so with body may cause severe or fatal injury. Children using pool must ALWAYS have close adult supervision.
- Before removing pump lid:
 1. STOP PUMP.
 2. CLOSE GATE VALVES in suction and discharge pipes.
 3. RELEASE ALL PRESSURE from pump and piping system.
 4. NEVER tighten or loosen screws while pump is operating.



DISCLAIMER

Information in this manual is intended to provide general information on a particular subject(s) in good faith and is not an exhaustive treatment of such subject(s). Its use is beyond the control of the author, contributor, publishers, and distributors and should not be relied upon without consulting your local Professional for comprehensive advice. This manual includes subject(s) that should only be performed by or under the direction and advice of your local Professional and under no circumstances should the manual be used as a substitute for such professionals. No representations or warranties are made that the content, advice, and recommendations in this manual are current, free from errors or omissions, or appropriate for the user's circumstances or abilities. No liability is accepted for any loss suffered as a result of any user's reliance on such content. All information in this document is subject to change at any time without notice.

SECTION 2: PACKAGING CONTENTS

The following items are included in the packaging of the pool pump. Please contact your authorised dealer if any items are damaged or missing.

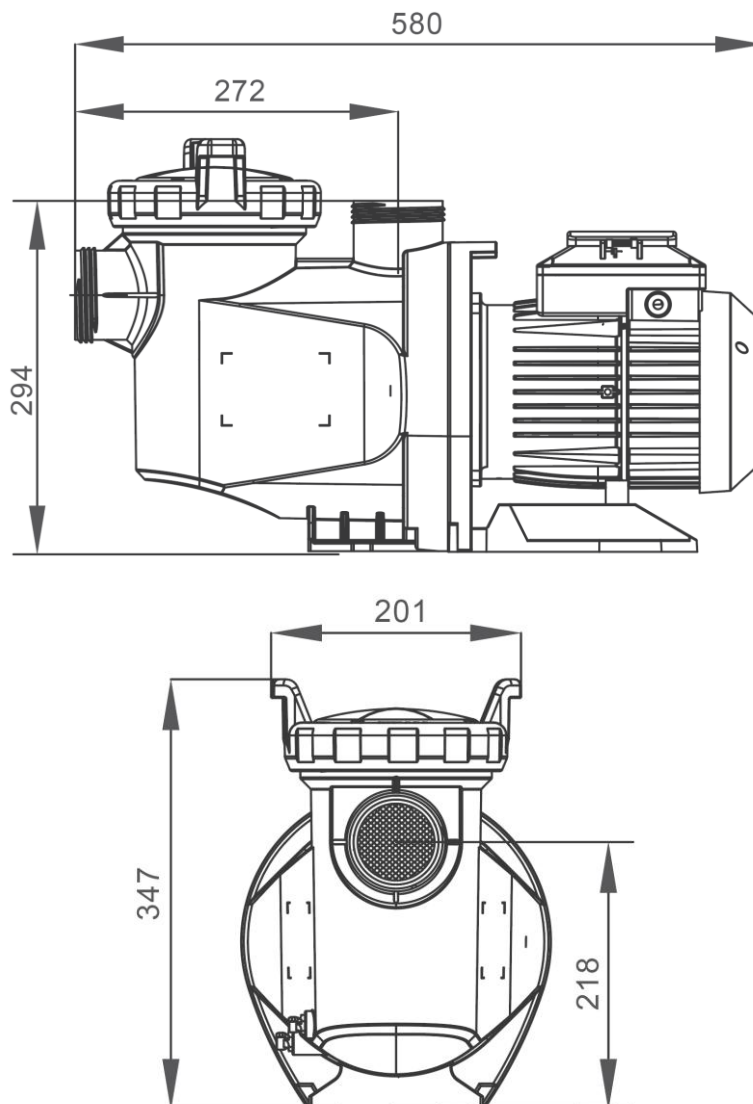
Pool Pump x 1

User Manual x 1

Unions x 2

SECTION 3: PRODUCT SPECIFICATIONS

3.1: PRODUCT DIMENSIONS



3.2: TECHNICAL DATA

Model	NPRVS125	NPRVS165
Input Power (kW)	1.1	1.5
Input Power (hp)	1.25	1.65
RPM	800-3400	
Voltage (V/Hz)	110-240V, 50Hz/60Hz	
Connection Size (mm)	40/50	
Maximum Flow Rate (L/min)	383	416
Flow Rate @ 8m Head @ 2400RPM (L/min)	133	183
Flow Rate @ 8m Head @ 3400RPM (L/min)	326	373
Noise Level (dB)	<50	
Net Weight (kg)	13	

Motor	
IP Rating	X5
Insulation Class	Class 130
Voltage	110V - 240V
Frequency	50/60Hz

SECTION 4: INSTALLATION

4.1: INSTALLATION WARNINGS



- Only qualified, licensed personnel should install pump and wiring.
- Electrical contractors please note: pump must be wired to the main power supply through an approved and correctly rated contractor.
- Installers/operators must follow manufacturer's instructions and keep in compliance with national or local standards for installation. Under no circumstances will the manufacturer be held responsible for any outcome incurred by failure to comply with applicable standards or local regulations.
- The pump must be installed in accordance with AS3000 Wiring Standards. Failure to do so will void any warranty.
- Connect only to a grounding type receptacle protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.
- For hot tubs and spa pumps, do not install within an outer enclosure or beneath the skirt of the hot tub/spa, unless so marked.
- Always comply with national and local electrical codes and standards.

4.2: PUMP LOCATION

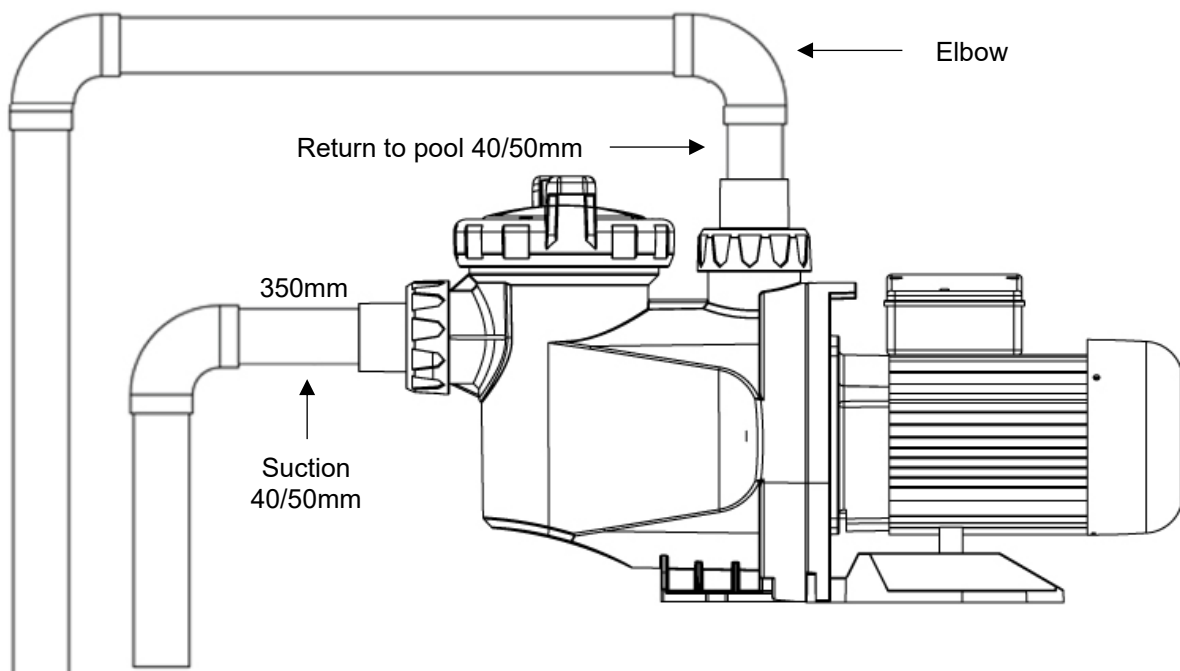
1. Install the pump as close to the pool as possible. To reduce friction loss and improve efficiency, use short, direct suction and return piping.
2. DO NOT install pump at more than 3m above water level height.
3. Pump mount must be solid, level, rigid and vibration free.
4. To avoid direct sunshine, excess moisture, heat or rain, install the pump indoors or in the shade.
5. DO NOT install pump in a damp or non-ventilated location. Keep pump and motor at least 150mm away from obstacles. Pump motors require free circulation of air for cooling.
6. The pump should be installed horizontally and fixed with screws to prevent unnecessary noise and vibration.
7. Allow for gate valves in suction and discharge piping.
8. Allow for adequate access for servicing pump and piping.
9. Have adequate floor drainage to prevent flooding.

4.3: PLUMBING THE POOL PUMP

1. When installing the inlet and outlet fittings, use special sealant for PVC material.
2. The dimensions of the suction line should be the same or larger than the inlet line diameter, to avoid the pump sucking air, which will affect the pump's efficiency.
3. Plumbing on the suction side of the pump should be as short as possible.
4. For most installations we recommend installing a valve on both the pump suction and return lines, which is more convenient for routine maintenance. However, we also recommend that a valve, elbow, or tee installed on the suction line should be no closer to the front of the pump than seven times the suction line diameter.
5. The pump outlet piping system should be equipped with a check valve to prevent the pump from the impact of medium recirculation and water hammer.

4.4: VALVES & FITTINGS

1. Elbows should be no closer than 350mm to the inlet. Do not install 90° elbows directly into the pump inlet/outlet. Joints must be tight.
2. Flooded suction systems should have gate valves installed on suction and return line for maintenance. The suction gate valve should be no closer than seven times the suction pipe diameter as described in this section.
3. Use a check valve in the return line where there is a significant height between the return line and the outlet of the pump.
4. Be sure to install check valves when plumbing in parallel with other pumps. This helps prevent reverse rotation of the impeller and motor.



4.5: ELECTRICAL DATA

1. Refer to information on motor nameplate for electrical service data.
2. All motors should have a fused disconnect switch or circuit breaker.
3. Ensure wire size is sufficient for pump hp and distance from power source.
4. The pump must be installed in accordance with AS3000 Wiring Standards by a qualified electrician. Failure to do so will void any warranty.

SECTION 5: START-UP AND OPERATION OF THE PUMP

5.1: OPERATION WARNINGS

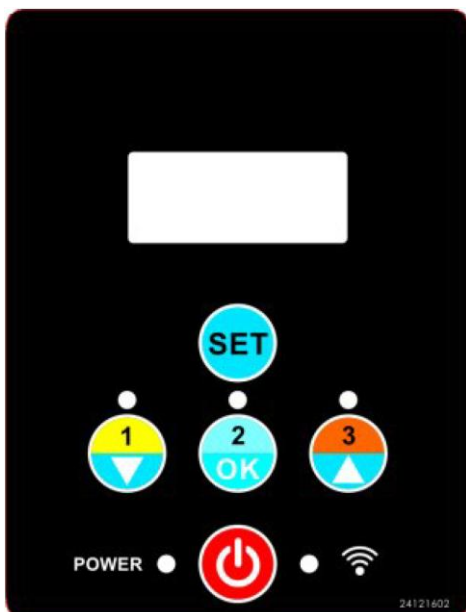


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of this product by a person responsible for their safety.
- Children shall not play with this product. Cleaning and maintenance shall not be conducted by children without supervision.
- NEVER run pump dry. Fill the pump with water before starting. In case of dry run, mechanical seal will be damaged and the pump will start leaking. This will void your warranty.
- Never tighten or loosen screws while the pump is operating.
- Ensure that the inlet and outlet of the pump are not blocked by foreign matter.
- DO NOT BLOCK PUMP SUCTION. To do so with body may cause severe or fatal injury. Children using pool must ALWAYS have close adult supervision.
- Before removing pump lid:
 1. STOP PUMP.
 2. CLOSE GATE VALVES in suction and discharge pipes.
 3. RELEASE ALL PRESSURE from pump and piping system.
 4. NEVER tighten or loosen screws while pump is operating.

5.2: PRE-STARTUP INSPECTION

1. Ensure the pump shaft rotates freely.
2. Ensure the power supply voltage and frequency conform to the nameplate.
3. Facing the fan blade, the direction of motor rotation should be clockwise.
4. Check all wirings and plumbing are installed correctly.
5. Do not run the pump without water.

5.3: BASIC OPERATION



CONTROL & LED	DESCRIPTION
1. Speed Display	Displays the current motor speed, menu or error codes.
2. SET Button	Used to enter set menu (hold for at least 3 sec)
3. Speed 1/▼ Button	Selects preset Speed 1 or reduce speed in set menu
4. Speed 2/OK Button	Selects preset Speed 2 or confirms/saves parameters in set menu
5. Speed 3/▲ Button	Selects preset Speed 3 or increases speed in set menu
6. ⏻ Button	Power on/off
7. Power LED	Green LED lights up when power is on
8. WiFi Indicator	Indicates WiFi status

1. Plug the pump into power and turn on at the wall. The pump's LED screen will turn on.
2. To start the pump, press Speed 1, 2 or 3. The pump will operate in self-priming mode. During this mode, the LED screen will flash, and the green indicator light for the selected speed level will flash for the entire length of priming time.
3. Once the self-priming mode is completed, the selected speed will be solid (no longer flashing) on the LED screen and the green indicator light will be solid (no longer flashing).
4. Depending on the selected speed level, the pump will operate as follows:
 - If speed level 1 is chosen, the pump will run continuously under preset speed until the  button or another preset speed level button is pressed. Speed 1 should be set for normal circulation.
 - If speed level 2 is chosen, the pump will run for 24 hours in the programmed setting. After that, it will default back to speed level 1.
 - If speed level 3 is chosen, the pump will run for 2 hours in the programmed setting. After that, it will default back to speed level 1.
5. To stop the pump at any time, press the  button. The pump will save the operating status and then stop. The LED screen will display "OFF".
6. If the pump is powered up by using the  button, the pump will operate in the programmed self-priming mode and then restore the saved condition and run.

Note: To save power, the LED screen will enter sleep mode after 3 minutes of normal operation, as the pump continues to run. Press any button on the touchpad to light up the LED screen again.

5.4: ADJUSTING SELF-PRIMING MODE (TIME AND SPEED)

The default factory settings for priming is 2900RPM for 2 minutes. To change these parameters:

1. Set the pump so "OFF" is displaying on the LED screen. To do this, power on the pump, then press the  button.
2. Hold the "SET" button for at least 3 seconds, then "_PS_" will display on the LED screen. Press the OK button, and the priming speed will display on the LED screen.
3. Press the 1/▼ button to decrease the speed, or press the 3/▲ button to increase the speed in 10RPM increments. The priming speed range is from 2900RPM to 3400RPM.
4. Press the OK button to save the priming speed setting. The priming duration will then flash on the LED screen. To cancel and return to the previous mode, press the SET button.
5. Press the 1/▼ button to decrease the time, or press the 3/▲ button to increase the time in 1 minute increments. The priming duration range is from 1 to 15 minutes. To cancel without changing the priming duration, press the SET button.
6. Press the OK button to save the priming duration setting, then exit the menu by pressing the SET button.

5.5: DISABLING SELF-PRIMING MODE

1. Set the pump so "OFF" is displaying on the LED screen. To do this, power on the pump, then press the  button.
2. Hold the "SET" button for at least 3 seconds, then "_PS_" will display on the LED screen. Press the OK button, and the priming speed will display on the LED screen.
3. Press the OK button again, then the priming duration will flash on the LED screen. To cancel and return to the previous mode, press the SET button.
4. Press the 1/▼ button to decrease the time to 0 (zero). To cancel without changing the priming duration, press the SET button.
5. Press the OK button to save the priming duration setting, then exit the menu by pressing the SET button.

5.6: ADJUSTING PRESET SPEED SETTINGS

There are 3 factory preset buttons to choose from (1, 2, or 3). Speed level 1 is preset at 1500RPM, speed level 2 at 2500RPM, and speed level 3 at 2900RPM. After pressing the button (1, 2, or 3), the LED for the selected speed level will light up, and the speed will be displayed on the LED screen.

To change the preset speed:

1. Press the button corresponding to the preset speed level (1, 2, or 3) you want to change. If the pump is stopped, it will start running.
2. Allow the pump to complete the self-priming mode (if the button was pressed while the pump was stopped).
3. Hold the SET button for at least 3 seconds.
4. Press the 1/▼ button to decrease the speed, or press the 3/▲ button to increase the speed in 10RPM increments. Each preset speed can be set between 800 - 3400RPM.
5. Press the OK button to save the selected speed, and exit the menu by pressing the SET button. To cancel and revert to the original programmed speed, press the SET button instead of the OK button.

To restore the preset speeds to factory settings:

1. Confirm that the pump is powered on, and the green power LED is lit.
2. If the pump is running, press the  button to stop it. Hold the SET button for at least 15 seconds.
3. The LEDs for the three preset speed levels and the power LED will light up simultaneously, indicating that the factory default settings have been restored.

SECTION 6: WIFI AND APP CONTROL

6.1: MOBILE APP SETUP AND PAIRING VIA WIFI

1. Download and install the Smart Life app onto your mobile device.

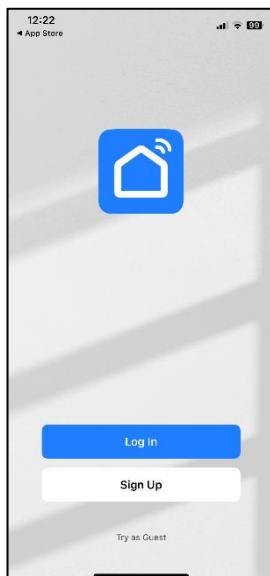
Apple:



Android:



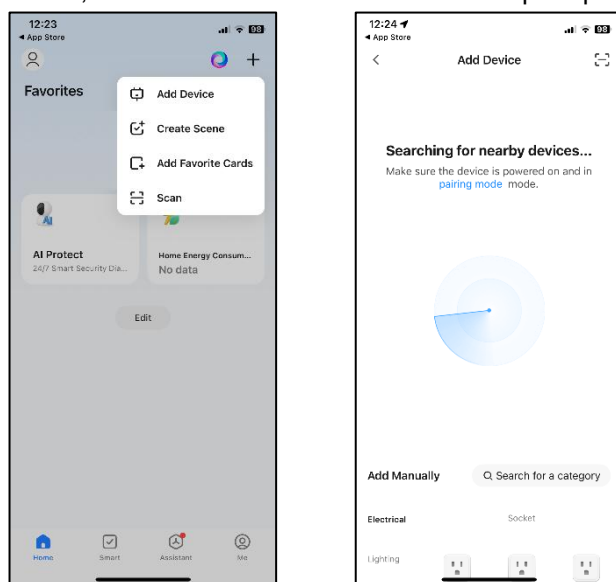
2. Open the app on your mobile device. It is recommended to set up a profile by tapping on the Sign Up button. Alternatively you can tap on "Try as Guest".



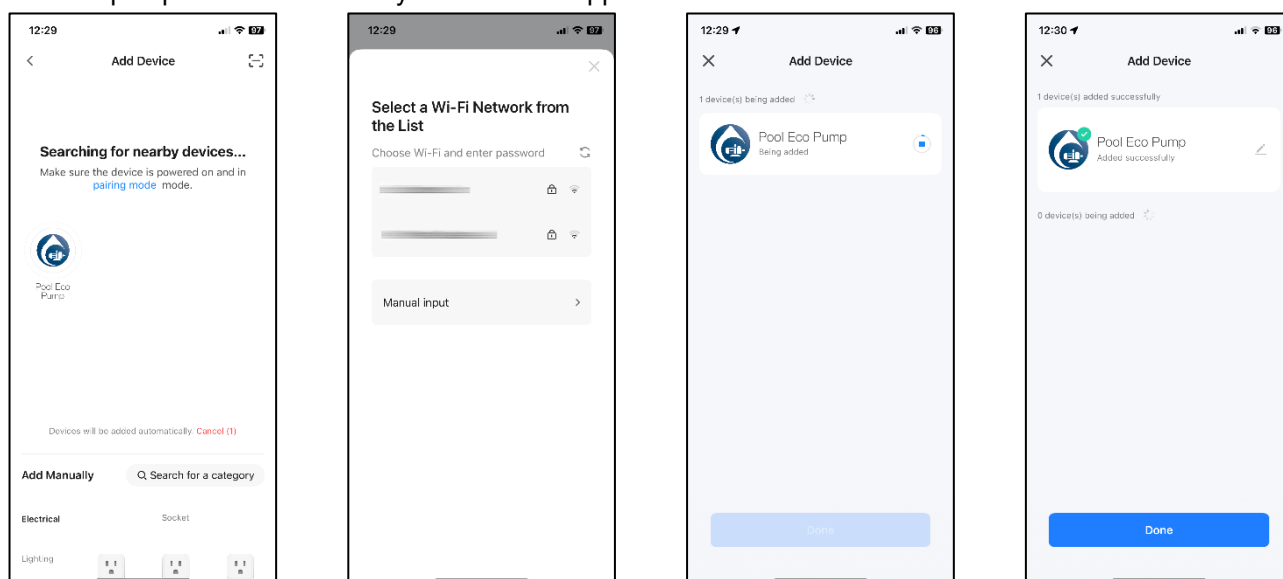
3. On the pump:

STEP	OPERATION	SCREENSHOT
1	Make sure the pump is in OFF mode by pressing the  button.	
2	Long press the SET button (approx. 5 sec) until the pump enters the setup mode and displays “_PS_” on the LED screen.	
3	Press the 1/▼ button or the 3/▲ button to scroll the menu until you reach “NET” and press the OK button once to go into the “NET” menu. This is the Wifi setting.	
4	Press the 1/▼ button or the 3/▲ button to turn on the WiFi setting. “ON” should display on the LED screen. Press the OK button once.	
5	Press the 1/▼ button or the 3/▲ button to activate pairing the WiFi. “RST.Y” should display on the LED screen. Press the OK button once. Press SET button to return to the main screen.	

4. In the Smart Life app on your mobile device, go to the app's home screen, tap on the + icon in the top right corner, and select “Add Device”. Follow the prompts to allow permissions. The app will search for the pump.



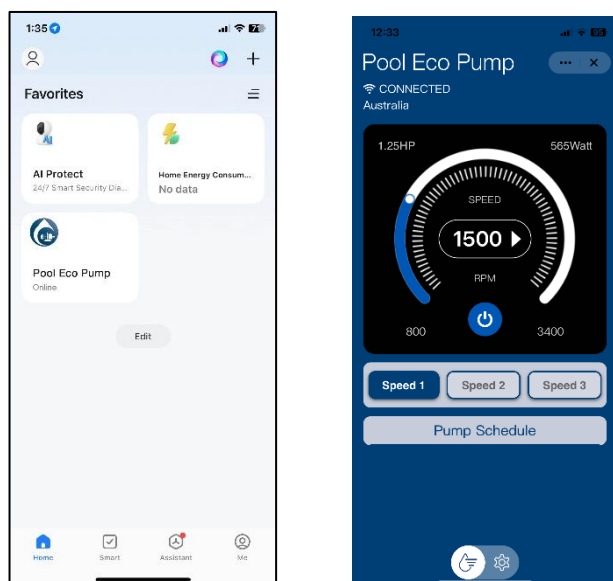
5. When the pump is found, it will appear on the app. You will then be prompted to connect to your WiFi, and then the pump will be successfully added to the app.



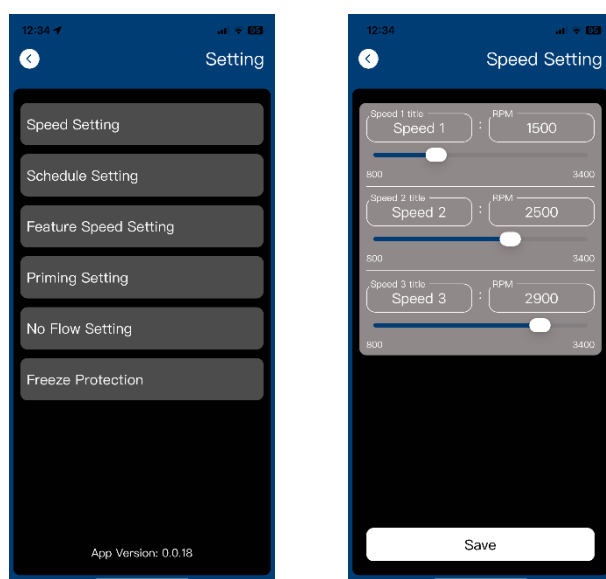
6.2: APP OPERATION - ADJUSTING PRESET SPEED SETTINGS

1. In the Smart Life app on your mobile device, go to the app's home screen, and tap on the pool pump device.

You will then see real-time data for your pump. At the bottom of the screen, tap on the Settings icon .



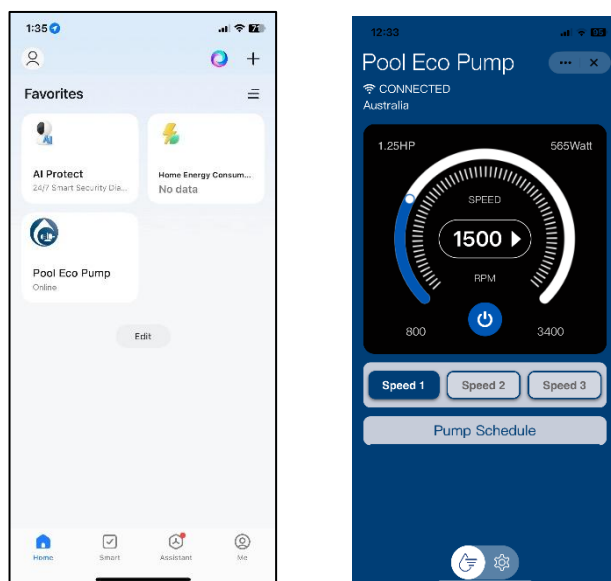
2. Tap on the Speed Setting menu. You can then adjust the speed/RPMs for the 3 preset settings by adjusting the relevant sliders and tapping the Save button. Note: speed 1 is preset at 1500RPM, speed 2 at 2500RPM, and speed 3 at 2900RPM.



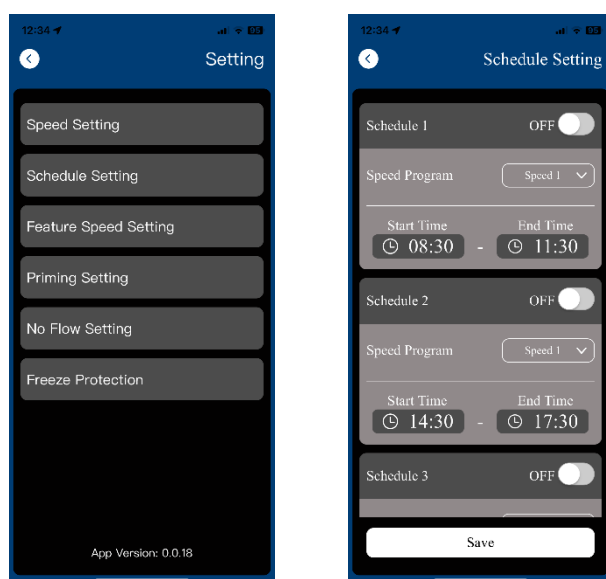
6.3: APP OPERATION – SETTING THE DAILY TIMERS

1. In the Smart Life app on your mobile device, go to the app's home screen, and tap on the pool pump device.

You will then see real-time data for your pump. At the bottom of the screen, tap on the Settings icon .



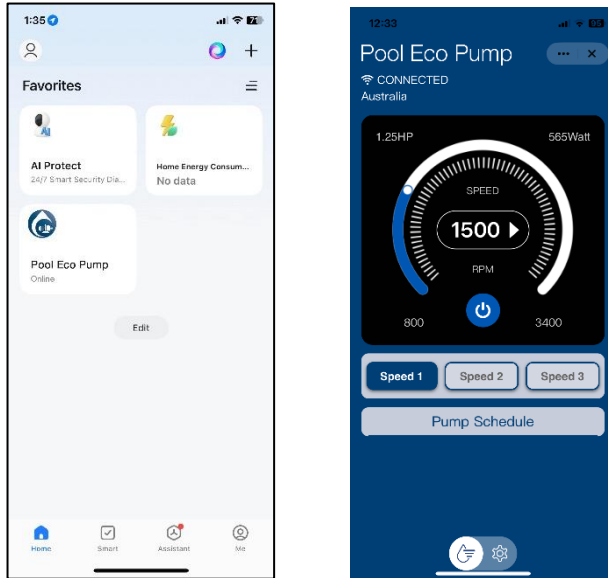
2. Tap on the Schedule Setting menu. You can then set up 4 separate timers to run the pump at different speeds. Turn on the toggles for schedule 1, 2, 3 and/or 4, adjust the start and end times per schedule, and tap the Save button.



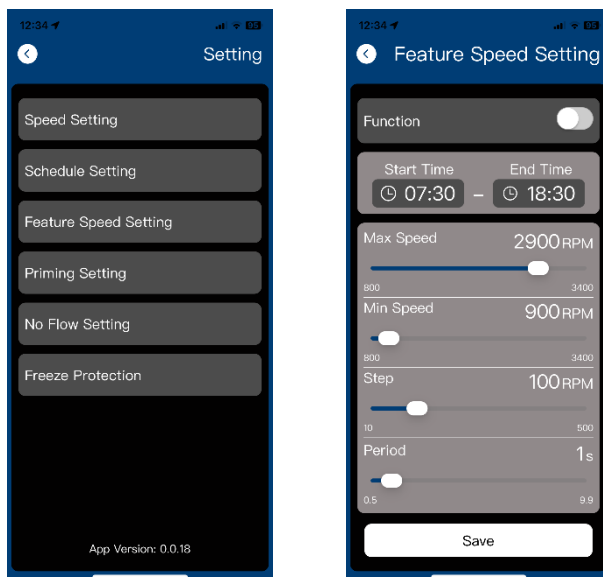
6.4: APP OPERATION – FEATURE SPEED SETTINGS

1. This function allows the pump's speed to ramp up and down between a minimum and maximum RPM range during a specific time of day.
2. In the Smart Life app on your mobile device, go to the app's home screen, and tap on the pool pump device.

You will then see real-time data for your pump. At the bottom of the screen, tap on the Settings icon .



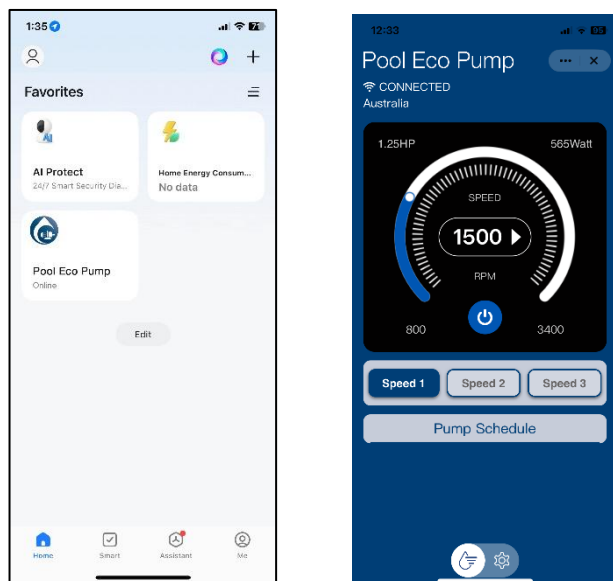
3. Tap on the Feature Speed menu. Turn on the Function toggle, and:
 - Set the start and end time.
 - Set the maximum and minimum speeds (the RPM range).
 - Set the Step (the increments in which the RPM will ramp up and down).
 - Set the Period (the RPM step will change every Period).
 - Tap the Save button.



6.5: APP OPERATION – ADJUSTING SELF-PRIMING MODE (TIME AND SPEED)

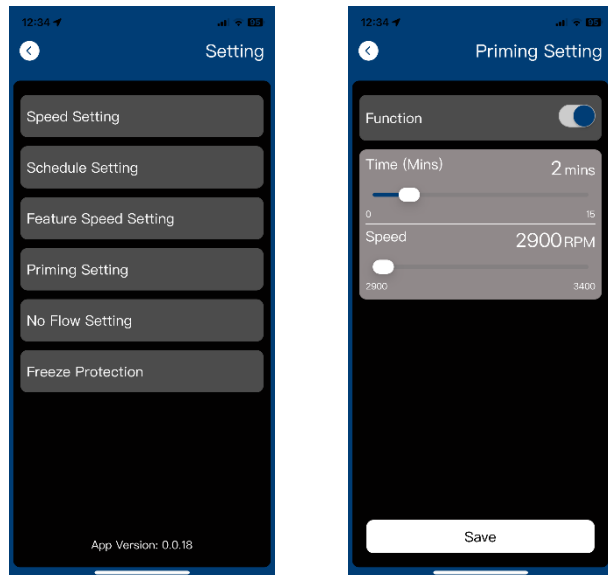
1. In the Smart Life app on your mobile device, go to the app's home screen, and tap on the pool pump device.

You will then see real-time data for your pump. At the bottom of the screen, tap on the Settings icon .



2. Tap on the Priming Setting menu. The default factory settings for priming is 2900RPM for 2 minutes. Change the time and speed by adjusting the sliders for each setting, and tap the Save button.

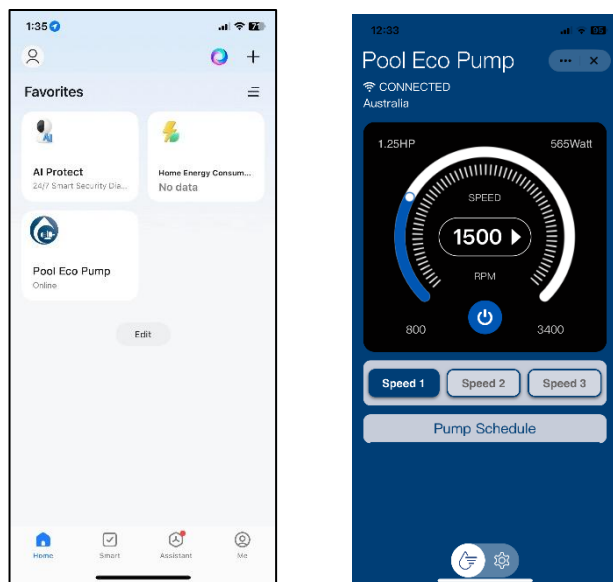
To disable the self-priming function, turn off the Function toggle, and tap the Save button.



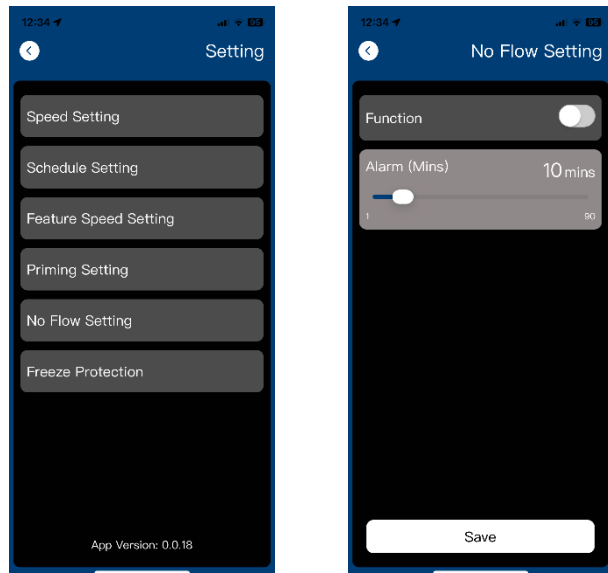
6.6: APP OPERATION – NO FLOW SETTINGS

1. This function is an alarm you can set if the pump detects no water flow.
2. In the Smart Life app on your mobile device, go to the app's home screen, and tap on the pool pump device.

You will then see real-time data for your pump. At the bottom of the screen, tap on the Settings icon .



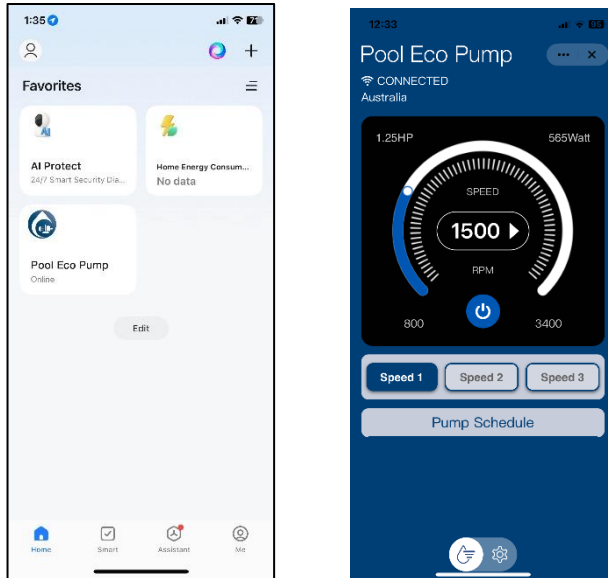
3. Tap on the No Flow Setting menu. Turn on the Function toggle and set the length of time that no water flow should be detected for, by adjusting the slider. Tap the Save button.



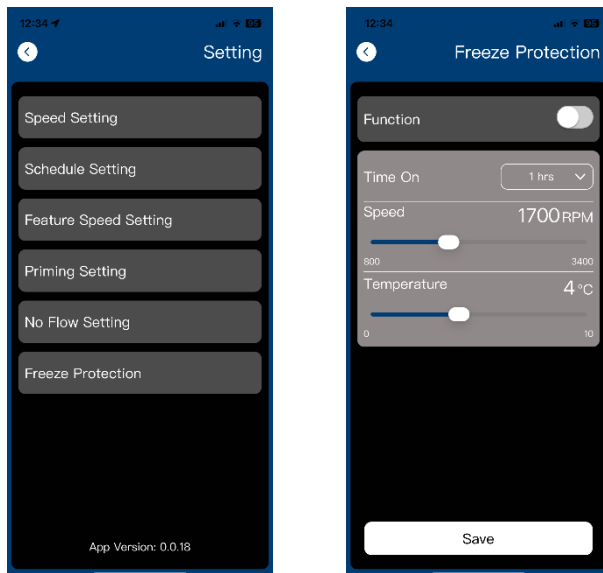
6.7: APP OPERATION – FREEZE PROTECTION

1. This function runs the pump to avoid water freezing in the pool piping.
2. In the Smart Life app on your mobile device, go to the app's home screen, and tap on the pool pump device.

You will then see real-time data for your pump. At the bottom of the screen, tap on the Settings icon .



3. Tap on the Freeze Protection menu. Turn on the Function toggle, and:
 - Set the pump run time
 - Set the pump speed
 - Set the temperature (water temperature detected inside the pump, to activate the Freeze Protection function)
 - Tap the Save button.



SECTION 7: MAINTENANCE

Empty the pump basket frequently. The basket should be inspected through the transparent lid and emptied when there is debris inside. The following instructions should be followed:

1. Turn pump off.
2. Close gate valve in suction and discharge, and release all pressure from system before proceeding.
3. Unscrew the pump lid anti-clockwise and remove.
4. Lift up the pump basket.
5. Empty the debris from the basket and rinse out the debris if necessary.
NOTE: Do not knock the plastic basket on a hard surface as it will cause damage.
6. Inspect the basket for signs of damage and replace if required.
7. Check the Pump Lid O-Ring for stretching, tears, cracks or any other damage.
8. Re-install pump basket with the large opening at the pipe connection port. If basket is placed backwards the pump lid will not fit properly on the pump body.
9. Re-install the pump lid, only tighten by hand.
10. Prime pump before restarting.

NOTE: Periodically inspecting and cleaning the pump basket will help prolong the life of your pump.

NOTE: Motors are self-lubricating; no lubrication is required.

NOTE: Shaft seals may become worn and must be replaced if leakage is observed.

SECTION 8: SERVICE & REPAIR

Refer all service and repair to your local agent or dealer as their knowledge of your equipment makes them the best qualified source of information. Order all spare parts through your local agent or dealer. Give the following information when ordering spare parts:

- Unit nameplate data or serial number on label.
- Description of part.

SECTION 9: TROUBLESHOOTING & ERROR CODES

ERROR	DESCRIPTION	POSSIBLE REASONS
E-00	Overcurrent: Driver current output exceeds the threshold.	• Driver output failure. • Driver IPM module is damaged.
E-73	Under-voltage: The main electric current is too low.	• Ambient temperature is too high. • Supply voltage fluctuation is too large.
E-10	Overheating: The motor heat sink is overheated.	• Ambient temperature is too high. • Motor Cooling Fan does not work.
E-74	No Flow: No water flow is detected.	The Mechanical seal might damage if no water flow.
E-75	Safety vacuum release system.	To prevent entrapment or injury in swimming pools.
E-76	Locked Rotor	The motor is stuck.

PROBLEM	POSSIBLE CAUSES & SOLUTIONS
Pump does not start	• Power supply fault, disconnected or defective wiring or circuit breaker. • Fuses blown or thermal overload open. • Check the rotation of the motor shaft for free movement and lack of obstruction. • Motor windings burned out. • Defective starting switch in single phase motor. • Low voltage
Pump does not prime	• Empty pump basket. Make sure the pump housing is filled with water and the Pump Lid O-Ring is clean. • Loose connections on the suction side. • Pump basket or skimmer basket loaded with debris. • Suction side clogged. • Distance between pump inlet and water level is higher than 3m, the installation height of pump should be lowered.
Pump does not reach full speed	• Low voltage. • Pump connected for wrong voltage.
Motor overheats	• Low voltage. • Inadequate ventilation.
Pump does not deliver water	• Pump is not primed. • Closed valve in suction or discharge line. • Leakage or air into suction system. • Impeller clogged.
Water leaks at shaft	• Shaft seal requires replacement.
Low pump capacity	• Valve in suction or discharge line partly closed. • Suction or discharge line partly plugged. • Suction or discharge line too small. • Pump running at reduced speed. • Clogged basket in skimmer or hair and lint strainer. • Dirty filter. • Impeller clogged.
High pump pressure	• Discharge valve or inlet fittings closed too much. • Return lines too small. • Dirty filter.
Noisy pump/motor	• Clogged basket in skimmer or hair in lint strainer. • Worn motor bearings. • Valve in suction line partly closed. • Suction line partly clogged. • Vacuum hose clogged or too small. • Pump not supported properly.
Air bubbles at inlet fitting	• Leakage of air into suction line at connections or valve stem. • Cover gasket of hair and lint strainer needs cleaning. • Low water level in pool.

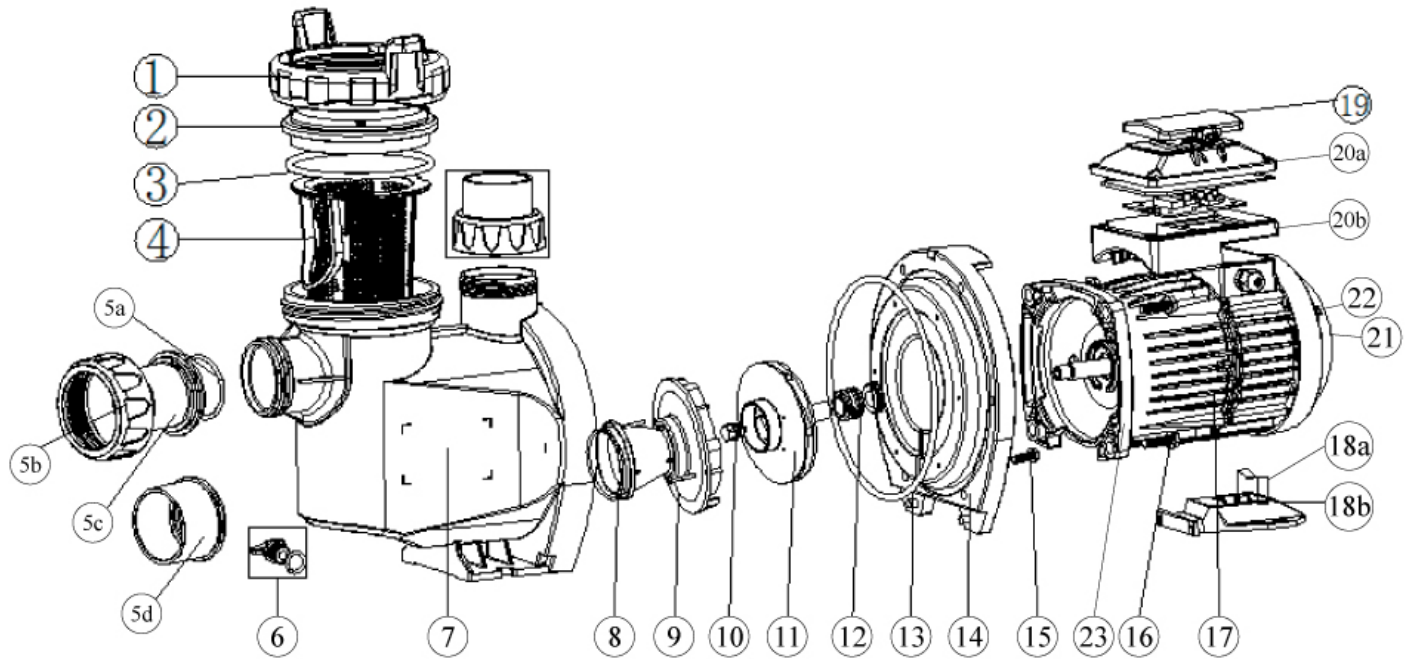
NOTE: If the recommendations in the troubleshooting portion of this manual do not solve your particular problem(s), please contact your local dealer or place of purchase for service.

SECTION 10: DISPOSAL

When disposing of the product, please sort the waste products as electrical or electronic product waste, or hand it over to the local waste collection system.

The separate collection and recycling of waste equipment at the time of disposal will help ensure that it is recycled in a manner that protects human health and the environment. Contact your local authority for information on where you can drop off your water pump for recycling.

SECTION 11: SCHEMATICS



Ref #	Code	Description
1,2,3	NPRP001	Lid Assembly
1	NPRP001B	Lid Lock Ring
2	NPRP001A	Lid Clear Top
3	OR962M	Lid O-Ring
4	SBN4	Pump Basket
5a,b,c,d	NPRP002	Half Union Assembly
5a	OR963M	Union O-Ring 2pk
5b	NPRP002	Union Nut 2pk
5c	NPRP002A	Union Tail 40mm 2pk
5d	NPRP002C	Union Tail 50mm 2pk
6	NPRP003	Drain Plug & O-Ring
7	NPRP004	Wet End
8	OR964M	Diffuser O-Ring
9	NPRP005	Diffuser
10	NPRVSP006	Screw for Impeller & O-Ring
11	NPRVSP007	Impeller NPRVS125
	NPRVSP008	Impeller NPRVS165
12	MC25	Mechanical Seal
13	OR965M	Backplate O-Ring
14	NPRP012	Backplate
15	NPRVSP013	Backplate Bolt 4pk
16	NPRVSP014	Motor Bolt 4pk

Ref #	Code	Description
17	NPRVSP015	Motor NPRVS125
	NPRVSP016	Motor NPRVS165
18a	NPRP021	Motor Base Adapter
18b	NPRP020	Motor Base
19	NPRVSP022	Control Box Clear Lid
20a	NPRVSP023	Control Box Upper Case
20b	NPRVSP024	Control Box Lower Case
21	NPRVSP031	Fan Cover
22	TBA	Fan Cover Screws
23	TBA	Drive Endshield
Not Shown	NPRVSP025	Control Box PCB NPRVS125
Not Shown	NPRVSP026	Control Box PCB NPRVS165
Not Shown	TBA	Fan
Not Shown	TBA	Thru Bolts
Not Shown	TBA	Bearing Set
Not Shown	TBA	Capacitor Wire Splice Terminal
Not Shown	TBA	Front Shaft Rubber Washer
Not Shown	TBA	Rear Bearing Wear Washer
Not Shown	TBA	Rear Shaft Rubber Washer
Not Shown	TBA	Fan Circlip

SECTION 12: WARRANTY AND PRODUCT REGISTRATION

Please register your product online at www.poolpro.com.au/product-registration.

- The limited warranty for the Neptune NPR Pool Pump (models NPR550, NPR750, NPR1500, NPR2000, NPR3000, NPRVS125 and NPRVS165) covers manufacturer's defects in materials and workmanship for:
 - Four (4) years on pump/wet end and components.
 - Two (2) years on variable speed driver.
 - One (1) year on mechanical seal and O-Ring.
 - One (1) year on labour.
- If the pool pump is installed in a commercial setting, the warranty period is one (1) year on the abovementioned parts and labour.
- All warranty periods are effective from the original date of purchase.
- The warranty is only valid for the original purchaser and is non-transferable.
- Adverse operating conditions beyond the control of the manufacturer such as improper voltage, excessive ambient temperature, corrosive or aggressive climate or location, or any condition that adversely affects the performance of the equipment will render this warranty null and void.
- Defective equipment must be returned to the authorised dealer as soon as the purchaser becomes aware of the defect and all transport costs must be prepaid.
- Neither the manufacturer nor the authorised dealer shall be responsible for any goods damaged in transit.
- Any liability of the manufacturer pursuant to the Trade Practices Act 1974, as amended for a breach of a condition or warranty shall be limited to replacing or acquiring the equipment (or part thereof) where the same has been supplied.
- The maximum liability incurred by the manufacturer shall not in any case exceed the contract price for the equipment or the product parts or components thereof claimed to be defective. Further, the manufacturer shall not be liable for any loss, damage or delay directly or indirectly caused by any malfunction of or defect of or failure of the equipment other than as expressly provided in this warranty.
- The manufacturer and authorised dealer will not be held liable for damage caused to the pool and surrounding areas.
- Pool Pro products are warranted without exclusion to your rights under the Australian Consumer Law.
- Keep your original purchase invoice and serial number in a safe place.

Warranty is void under the following circumstances:

- Incorrect operation of the unit by not following correct instructions.
- Foreign matter blocking impeller or restricting water flow.
- Incorrect installation, including installations not in accordance with AS3000 Wiring Standards.
- Inadequate ventilation.
- Improper maintenance and balancing of pool water.
- Damage caused to the pool pump due to misuse or damage caused by any other means than manufacturer defect.
- If the pool pump is repaired or serviced by an unauthorised dealer or serviceman.
- If a fault occurs in the operation of the pool pump by using non-genuine parts/accessories.
- If the pool pump has been misused, neglected, damaged or altered in any way, including running the pump without sufficient water flow, lightning strikes, flooding or incorrect power supply.
- Normal wear and tear of consumable products including mechanical seals, capacitors and bearings.

To submit a warranty request, visit www.poolpro.com.au/serviceclaim