



Pureline PL1616 Pure Flow Variable Speed Pump User Guide

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Pureline PL1616 Pure Flow Variable Speed Pump



Product Information

- Product Name: Pure Flow Variable Speed Pump
- Model: PL1616
- Features:
 - Variable speed pumps provide maximum energy savings
 - Simple interface that is easy to operate and program
 - Real-time clock with 24-hour memory
 - Removable strainer basket with a built-in thermal overload protection
 - Totally-enclosed fan cooled (TEFC) motor

Product Usage Instructions

READ AND FOLLOW ALL INSTRUCTIONS

- ATTENTION INSTALLER: This manual contains essential information about the installation, operation, and safe use of this pool pump. Please remember to furnish this manual and all other instructional documents to the end user of this product.
- Failure to read and follow instructions can result in serious injury.
- To prevent potential injury to self or product and to avoid unnecessary service calls, please read the manual

carefully. Look for the following symbols and signal words and be alert to potential injury.

- **WARNING-** This is a safety-alert symbol. Whenever you see this symbol in this manual or on the pump itself, look for the following signal words to alert potential dangers.

1. Important Safety Instructions:

- Read and follow all instructions.
- Save instructions for future reference.

2. General Warnings:

- Never open the inside of the drive motor enclosure.
- The pump is not submersible.
- Install this pump in a place with good drainage.
- Before starting, all system valves must be in a position that allows water to return to the pool.
- Code requirements for the electrical connection differ from state to state. Install equipment according to the National Electrical Code.
- Switch pump to OFF by disconnecting the main circuit to pump BEFORE servicing pump.
- **DANGER-** A licensed electrician MUST complete, in full, all electrical installation
- **CAUTION-** This represents a potentially hazardous and dangerous situation. If not careful, it may result in bodily or property damage.
- **WARNING-** To reduce the risk of injuries, do not permit children to use this product unless
- **WARNING-** Risk of electrical Shock. Connect only to a circuit branch protected by a ground-fault circuit interrupter (GFCI). If you cannot verify if the circuit is protected by a GFCI, contact a qualified technician. Pump must be permanently connected to a GFCI.

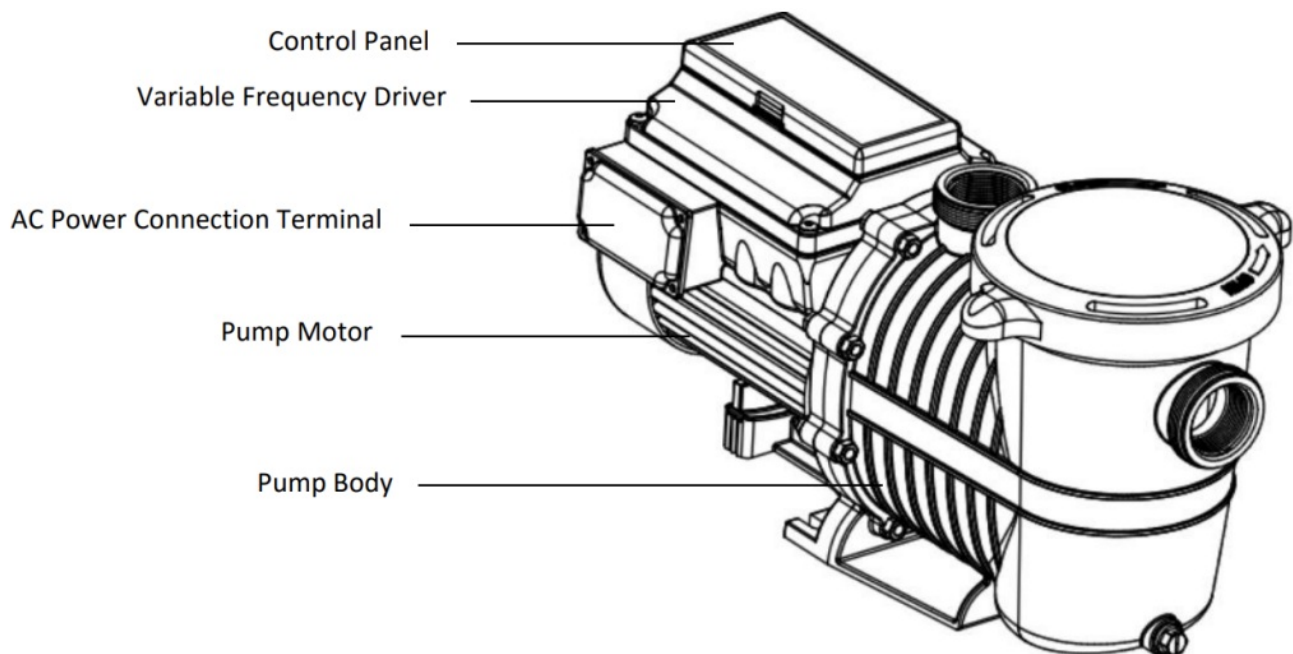
3. Warnings:

- To reduce the risk of injuries, do not permit children to use this product unless supervised.
- Risk of electrical shock. Connect only to a circuit branch protected by a ground-fault circuit interrupter (GFCI). If you cannot verify if the circuit is protected by a GFCI, contact a qualified technician. Pump must be permanently connected to a GFCI.
- To reduce the risk of electric shock, immediately replace damaged cords.
- This pump is only for use with permanently-installed pools and may be used with hot tubs and spas, if so marked. Do NOT use with storable pools. A permanently-installed pool is constructed in or on the ground or building, such that it is capable of being readily disassembled for storage and reassembled to its original integrity.
- **Separation Hazard-** Please ensure the strainer cover is properly secured to the pump housing. Do not operate pool and spa circulation systems if a system component is not assembled properly, damaged, or missing. All suction and discharge valves must be open when starting the circulation system. Failure to follow safety and operational instructions could result in damage, severe personal injury, or death.
- This unit must only be connected to a supply circuit that is protected by a ground-fault-circuit protection (GFCI). The GFCI should be provided by the installer and should be tested on a routine basis. To test the GFCI, simply push the test button. The GFCI should interrupt power. Push the reset button and the power should be restored. The GFCI is defective if it fails to operate in this manner. If the GFCI interrupts the power to the pump without the test button being pushed, this indicates a ground current is flowing and has the possibility of causing an electric shock. Do not use the pump. Disconnect the pump and correct the issue with a qualified service technician before using.

- To reduce the risk of electric shock, immediately replace damaged cords.
- This pump is only for use with permanently-installed pools and may be used with hot tubs and spas, if so marked. Do NOT use with storable pools. A permanently-installed pool is constructed in or on the ground or building, such that it is capable of being readily disassembled for storage and reassembled to its original integrity.
- Hazardous Pressure- During startup, normal operation, and after pump shuts off, the pool and spa water circulation system operates under hazardous pressure. Please stand clear of the circulation system during pump start-up. Before servicing your pool equipment, make sure all systems and pump controls are in the off position and the filter manual air relief valve is open. Also make sure all system valves are set in a position that allows water to return to the pool. Do not change the filter valve position while the system pump is running. All suction and discharge valves must be open when starting the circulation system. Failure to follow safety and operational instructions could result in damage, severe personal injury, or death.
- Separation Hazard- Please ensure the strainer cover is properly secured to the pump housing. Do not operate pool and spa circulation systems if a system component is not assembled properly, damaged, or missing. All suction and discharge valves must be open when starting the circulation system. Failure to follow safety and operational instructions could result in damage, severe personal injury, or death.

Pump Overview

This manual contains essential information about the installation, operation, and safe use of this pool pump. Failure to install according to the defined instructions will void your warranty.



Pump Installation

- Before servicing, all water circulation systems and pump controls must be in the off position, release all the pressure from the system.
- This pump should be serviced and installed by licensed professionals.
- Keep pump away from children.

- **Location:** Place the pump as close to the pool as it allows and run suction lines as direct as possible to reduce friction loss.
- All suction lines should have a continuous slope upward from the lowest point in line. Joints must be tight (but not over-tightened). Suction line diameter must equal or be larger than the discharge line diameter. The suggested installation of the pump is 12" above the pool water level. The pump should not be installed more than 30" above the pool water level.

Pump Mounting

Install the pump on a firm, level base or pad to meet all local and national codes. Fasten pump to base or pad with screws or bolts to reduce vibration and stress on the pipe or hose joints. The base **MUST** be solid, level, rigid, and vibration free.

Pump Plumbing

There are many different ways a pool pump can be plumbed due to space requirements, existing plumbing, water features, etc... Due to these scenarios, we have listed some general best practices to adhere to when plumbing a pool pump.

Pool Plumbing Best Practices

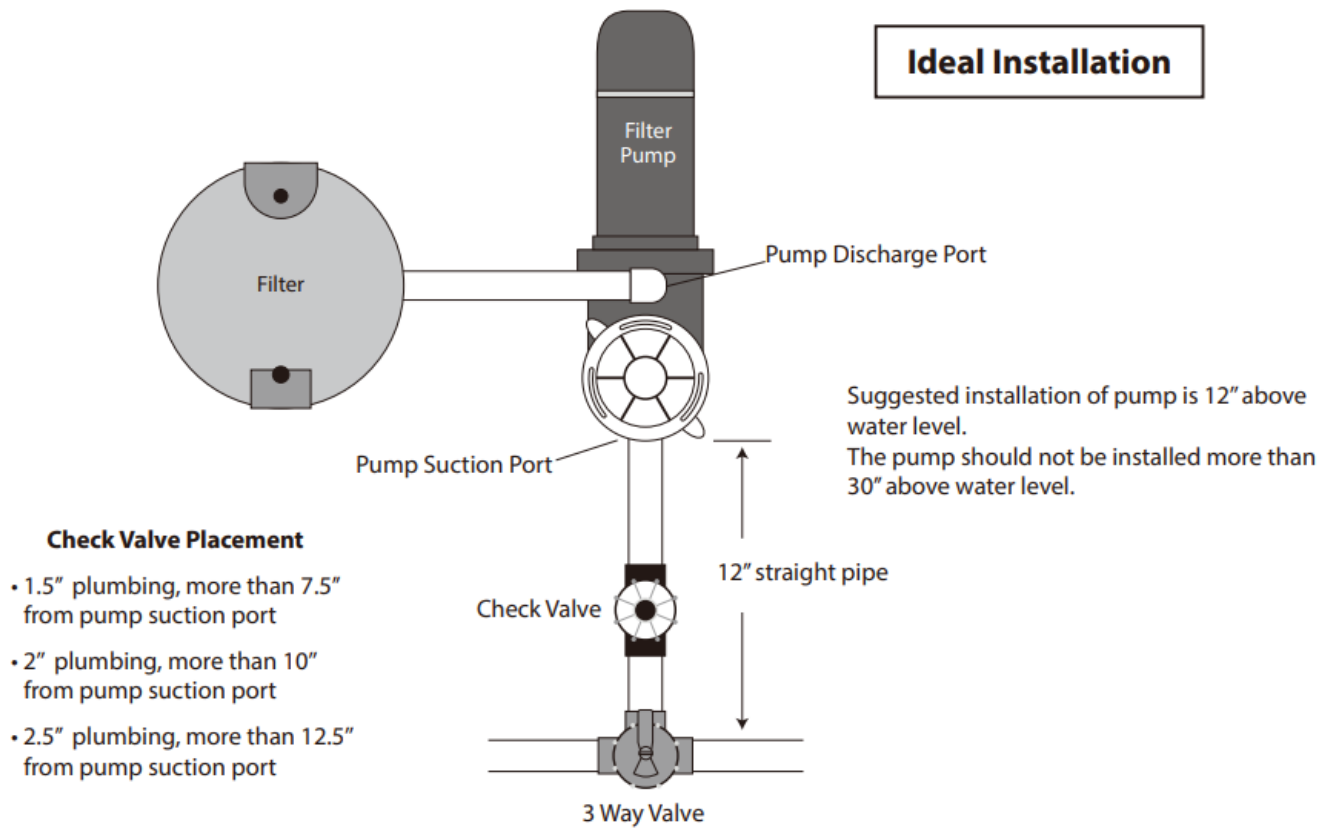
- It is best to use larger plumbing on the suction side of the pump, as this will allow the pump to prime easier and put less stress on the pump resulting in longer pump life.
 - For example, use 2" plumbing on the suction side of the pump and then use a 2" x 1.5" reducer bushing to reduce down to the 1.5" pump suction port. If you can only install larger plumbing on the 12" of pipe going into the pump, then this is fine, as you will still see benefits.
- Use a minimum of 12" of straight pipe going into the suction port of the pump.
- Avoid the use of 90-degree elbows within 12" of the suction port or discharge port of the pump. The fewer 90-degree elbows, the better.
- The use of two 45-degree fittings is better than one 90-degree elbow.
- If you are having problems with your pump keeping prime after the pump shuts off, then the use of a check valve on the suction side of the pump will help with keeping the pump primed. Make sure the check valve is not too close to the suction port of the pump. See check valve placement recommendations listed below.

Check Valve Placement

1.5" Plumbing – Check valve not to be placed within 7.5" of pump suction port
 2" Plumbing – Check valve not to be placed within 10" of pump suction port
 2.5" Plumbing – Check valve not to be placed within 12.5" of pump suction port

Ideal Installation

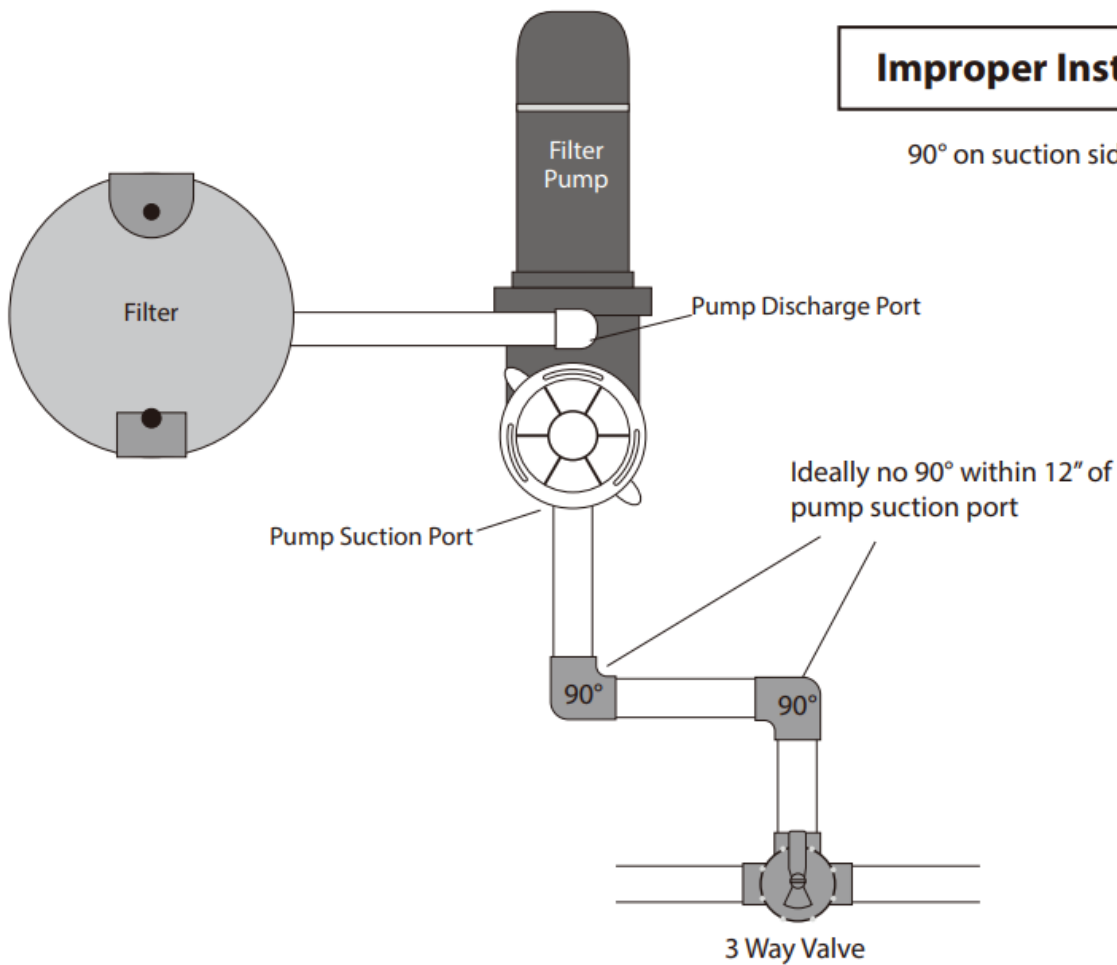
Ideal Installation



Improper Installation

Improper Installation

90° on suction side of pump



Piping

1. Larger piping sizes improve pool plumbing.

2. Piping on the suction side of the pump should be the same or larger than the return port.
3. Plumbing on the suction side of the pump should be as short as possible.
4. For most installations, its is recommended you install a valve on both the pump suction and return lines. This allows you to isolate the pump during routine maintenance. However, the valve, elbow, or tee installed in the suction line should be no closer to the front of the pump than 5 times the suction line diameter.

Example: A 2.5" pipe requires a 12.5" straight run in front of the suction inlet of the pump. This will help the pump prime faster and last longer.

Note: Do NOT install 90-degree elbows directly into the pump inlet or outlet.

Fittings and Valves

1. Do not install 90-degree elbows directly into the pump outlet.
2. Flooded suction systems should have gate valves installed on suction and discharge pipes for maintenance. However, the suction gate valve should be no closer than 5 times the suction pipe diameter.
3. Use a check valve in the discharge line when using this pump for any application where there is significant height to the plumbing after the pump.
4. Be sure to install check valves when plumbing in parallel with another pump. This helps prevent reverse rotation of the impeller and motor.

Electrical Requirements

1. Install all equipment in accordance with the National Electrical Code and all applicable local codes and ordinances.
2. A means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

Voltage

The voltage at the motor must NOT be more than 10% above or below motor nameplate rated voltage or the motor may overheat, causing the overload tripping.

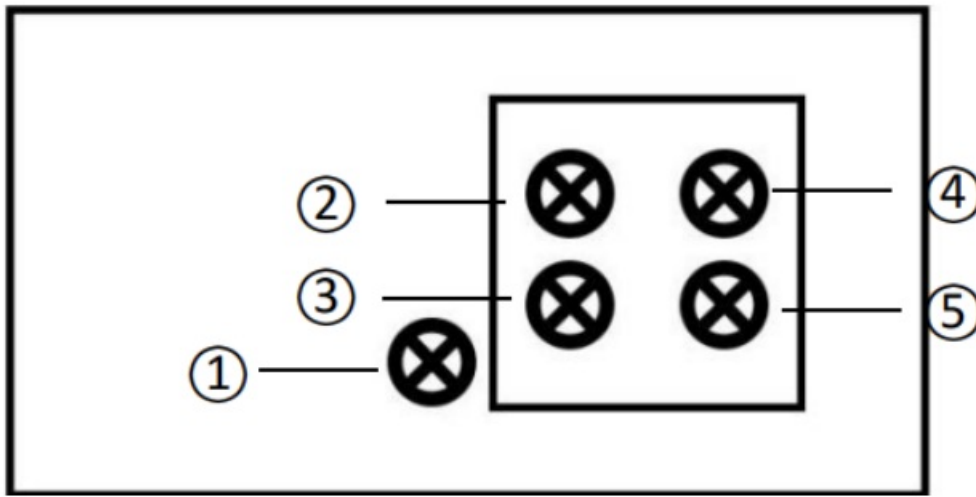
Grounding and Bonding

Install, ground, bond, and wire motor in accordance with local or national electrical code. Make sure to permanently ground the motor. Use green ground terminal provided under motor canopy or access plate. Use the appropriate size and wire type required by code. Connect motor ground terminal to electrical service ground. Reference NEC codes for all wiring standards including, grounding, bonding, and general wiring procedures.

Wiring

- WARNING- All electrical wiring must be performed by a licensed electrician.
- WARNING- All electrical wiring must conform to local codes and NEC regulations.
- WARNING- Use copper conductors only.

If the pump comes with a cord and plug, no wiring is needed. In some areas, power cords are not provided to local electrical standards. Wire pump according to local electrician codes. Follow the instructions below for wiring.



Screw 1: Ground wire
Screws 2 & 3: Either of two live wires
Screws 4 & 5: Not used

1. Remove the AC power connection terminal box cover. There are a total of 5 screws inside the terminal box.
2. Ensure that the available electrical supply is suitable for the motor's voltage, phase, cycle, and that the wire size is adequate for the HP rating and distance from the power source.
3. The voltage from the power source must be within 90%-110% of the motor's rated voltage. Failure to keep within this range can result in overload tripping and reduced longevity.
4. Install, ground, bond, and wire the motor in accordance with local NEC requirements.
5. Ground the pump by connecting a grounding wire from the electrical service ground terminal to the motor grounding screw.
6. Bond the motor to the pool structure. In short, this means creating an electrical connection between the pump and swimming pool. This helps prevent potential hazards if you run into electrical issues with the pump.

Start-Up and Operation

Prior to Start-Up

If it is necessary to perform a pressure test prior to initial use to ensure pump is functioning properly, then the following criteria should be considered:

1. Hire a professional for the test.
2. Ensure all pump components are sealed properly to prevent leaks.
3. Remove any trapped air in the system by fully opening the filter air relief valve until a steady stream of water is discharged.
4. Allow no more than 40 PSI at water temperature no higher than 100 F.
5. Do not run a pressure test for longer than 24 hours. Inspect all parts immediately to verify they are intact and functioning properly.
6. Fill strainer housing with water to suction pipe level. Never operate the pump without water. Water acts as a coolant and lubricant for the mechanical shaft seal.

CAUTION- NEVER run the pump dry. Running pump dry may damage seals, causing leakage, flooding, and voids warranty. Fill strainer housing with water before starting the motor.

Do NOT add chemicals to the pool/spa system directly in front of pump suction. Adding undiluted chemicals may damage pump and voids the warranty.

ATTENTION- Before removing strainer cover:

1. STOP PUMP before proceeding.
2. CLOSE VALVES in suction and outlet pipes
3. RELEASE ALL PRESSURE from pump and piping system using filter manual air relief valve.

Priming Pump

All suction and discharge valves must be open as well as filter air relief valve when starting the circulating pump system. Failure to do so could result in severe personal injury.

Priming Pump Placed Below Water Level

The pump will prime itself if it is placed lower than the water level.

Priming Pump Placed Above Water Level

If water level is lower than the pump, then following these instructions for priming. The suggested installation of the pump is 12" above the pool water level. The pump should not be installed more than 30" above the pool water level.

- Turn Power off to pool pump
- Make sure pool water is halfway up pool skimmer face
 - Open suction valves
- Open discharge valves
- Open filters air release valve
- Unscrew and remove pump lid
- Remove any debris from pump basket
- Clean pool filter if needed
- Clean pool skimmer basket if needed
- Fill pump strainer basket with water from garden hose
- Clean and lubricate strainer cover O-ring each time it is removed. Inspect O-ring and place it back on the strainer cover.
- Turn the strainer cover clockwise to tighten. NOTE: Tighten the strainer cover by hand only. NO wrenches.
- Turn on the power to the pump and wait for the pump to prime. This may take up to five (5) minutes. Priming time depends on the vertical length of the suction lift and the horizontal length of the suction pipe. If the pump does not prime within five minutes, stop the motor and determine the cause. Be sure all suction and discharge valves are open when the pump is running.
- Once the water starts coming out of the pool filter air release close pool filter air release

Helpful Videos for Pool Pump Priming

- Video on How to Prime a Pool Pump –
https://www.inyopools.com/HowToPage/how_to_prime_a_pool_pump.aspx

- Video on How to Determine Why a Pool Pump Won't Prime-
https://www.inyopools.com/HowToPage/how_to_determine_why_a_pool_pump_won_t_prime.aspx
- Video on How to Identify and Correct Air Leaks –
https://www.inyopools.com/HowToPage/how_to_identify_and_correct_air_leaks.aspx
- Video on How to Correct Swimming Pool Plumbing Issues –
<https://www.inyopools.com/blog/how-to-fix-priming-problems-in-your-pool-plumbing/>

ATTENTION- Wait five seconds before re-starting the pump. Failure to do so may cause reverse rotation of the motor and seriously damage the pump.

Maintenance

- Clean strainer basket regularly. Do NOT strike the basket to clean. Inspect strainer cover gasket regularly and replace as necessary.
- Pumps have self-lubricating motor bearings and shaft seals. No lubrication is necessary.
- Keep the motor clean. Ensure air vents are free from obstruction to avoid damage. Do NOT use water to hose off the motor.
- Occasionally, shaft seals must be replaced. Replace with a genuine seal assembly kit.

Storage and Winterization

Do not purge the system with compressed air. Doing this can cause inside components to explode, causing injury or death. Only use a low pressure (below 5 PSI), high volume blower when air purging the pump.

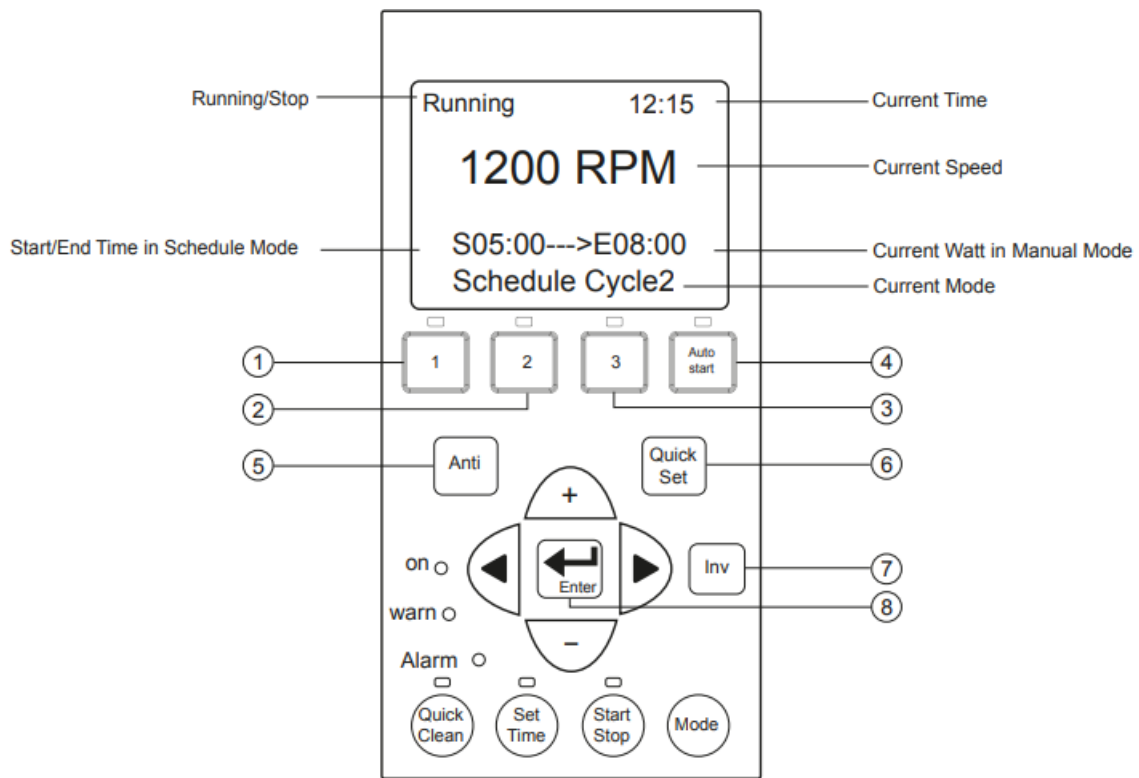
WARNING- Allowing the pump to freeze will void your warranty

WARNING- Only use propylene glycol as antifreeze in your pool/spa. Propylene glycol is nontoxic and will not damage plastic system components. Other antifreeze combinations may damage plastic components in the system. Drain all water from the pump and piping whenever you are expecting freezing temperatures or when storing the pump for a long period of time.

Keep motor dry and covered during storage. To avoid condensation/corrosion issues, do NOT cover or wrap the pump with plastic film or bags.

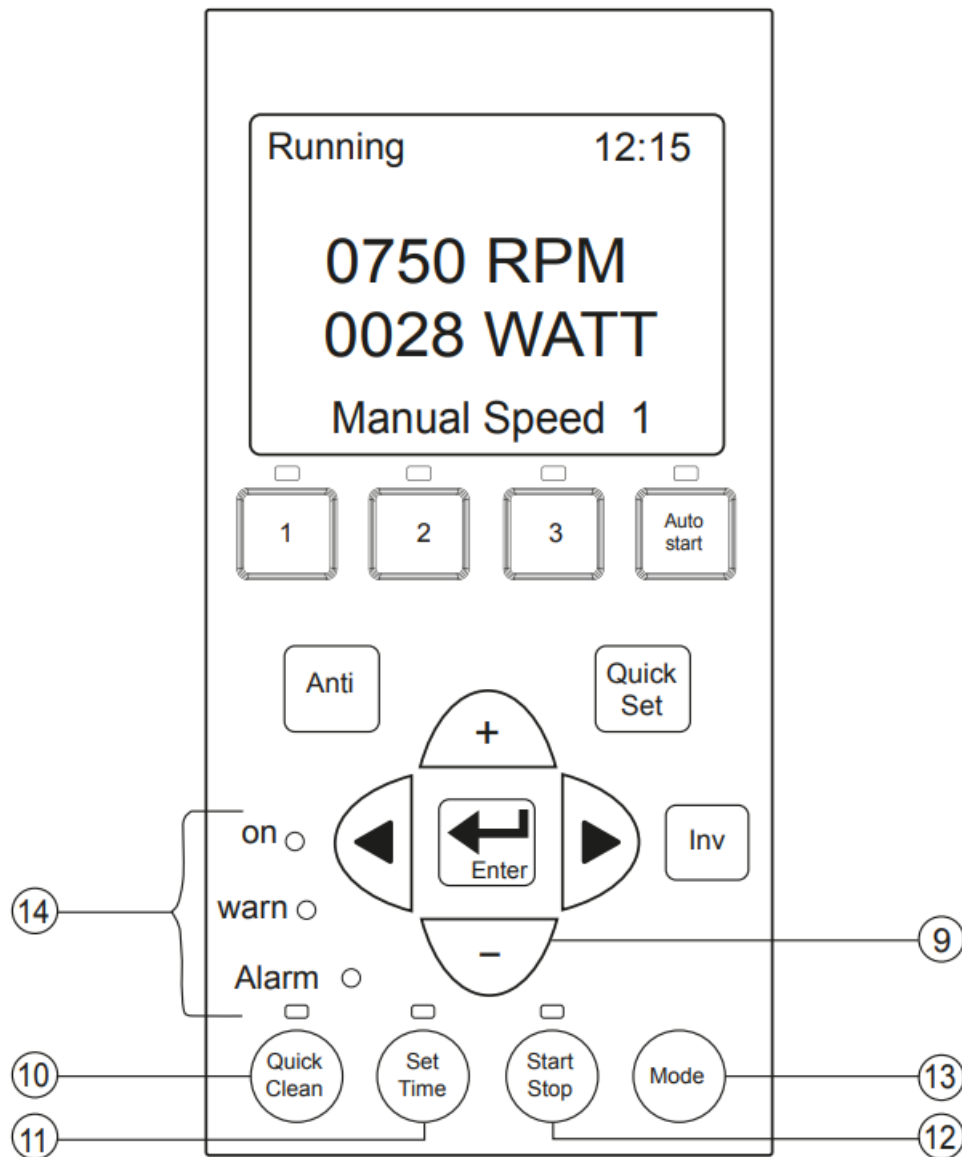
1. Drain water level below all inlets to the pool.
2. Remove drain plug from bottom of strainer body and remove the strainer cover from the housing.
3. Disconnect pump from mounting pad, wiring system (AFTER power has been turned OFF), and piping systems.
4. Once the water is removed from the pump, re-install the strainer cover and drain plugs. Store pump in a dry area.

Using The Control Panel



Controls and LEDs

1. 1 Button/LED: When in Manual Mode, button 1 means manual speed 1. When in Schedule Mode, this button means cycle 1. The LED lights ON means the pump is running at Speed 1 in Manual Mode or running at cycle 1 in Schedule Mode.
2. 2 Button/LED: When in Manual Mode, button 2 means manual speed 2. When in Schedule Mode, this button means cycle 2. The LED lights ON means the pump is running at Speed 2 in Manual Mode or running at cycle 2 in Schedule Mode.
3. 3 Button/ LED: When in Manual Mode, button 3 means manual speed 3. When in Schedule Mode, this button means cycle 3. The LED lights on means the pump is running at Speed 3 in Manual Mode or running at cycle 3 in Schedule Mode.
4. Auto Start: If LED is ON, the pump will start running automatically when power is given. LED OFF means disable.
5. Anti-Button: Antifreeze function ON/OFF.
6. Quick Set: Set up for current mode.
7. Inv: Shows basic parameters
8. Enter: Save the current value and come into the next set up item in quick edit mode.



9. Arrows +/- Buttons: Left arrow moves cursor left one digit. Right arrow moves the cursor right one digit. '+' increases a digit. '-' decreases a digit.
10. Quick Clean: Runs pump at a certain speed for a certain duration of time. The speed and duration can be preset by pressing the "Quick Set" button when in quick clean mode.
11. Set Time: Sets local time for pump
12. Start Stop: Starts or stops the pump. The LED will turn off once speed reduces to 0.
13. Mode: Switches among Manual Mode, Schedule Mode, and external control, if you have one.
14. LEDs: ON: Indicates the power is on.
 - Warning: LED is on if a warning condition is present.
 - Alarm: LED is on if an alarm condition occurs.

Operating The Pump

This section details how to operate the pump using the control panel buttons.

1. Make sure the pump's power is ON and the green ON power LED is illuminated.
2. Press the "Start Stop" button to start the pump.

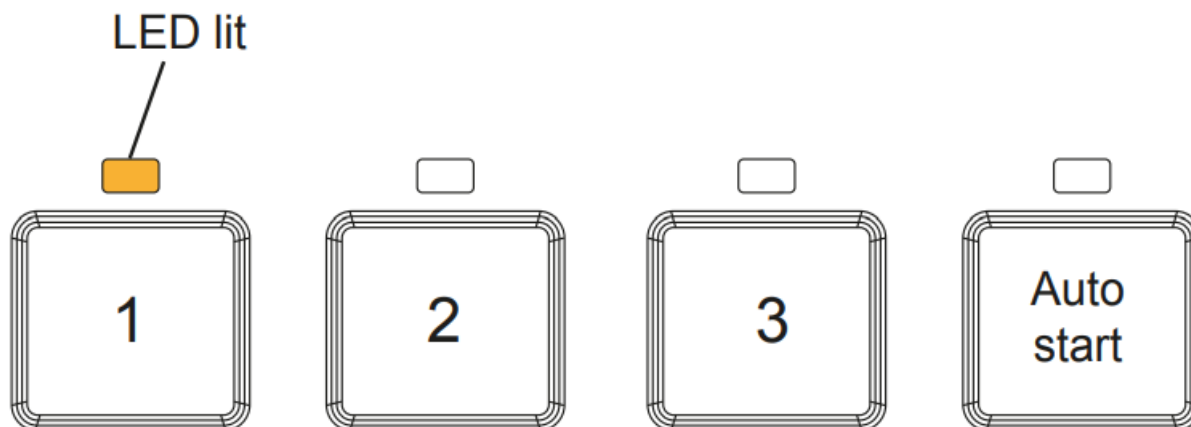
Stopping The Pump

1. Press the “Start Stop” button to stop the pump.

Running The Pump At Preset Speeds

The pump is programmed with 3 default speeds: 750, 2500, and 3450 RPMs. Each preset speed is assigned a speed button (1,2,3). Follow the instructions to run the pump at each preset speed.

1. Make sure the pump is in manual mode by pressing the “Mode” button.
2. Press the speed button (1, 2, or 3) corresponding to the desired preset speed. The LED light above the button will illuminate.
3. Press the “Start Stop” button and the pump will ramp to the selected preset speed.



Adjusting The Pump Speed

Press the “+” or “-” button to increase or decrease the speed levels. New values will be automatically saved.

Running The Pump In Schedule Mode

1. Make sure the pump is in Schedule Mode by pressing the “Mode” button.
2. The LED light above the Cycle button will turn on, indicating the current cycle. The pump will come into the proper cycle according to the current time.
3. Pressing the “Start Stop” button quickly ramps the pump to the preset speed of the current cycle.

Setting Schedule Cycles 1-3 (Factory Settings)

Cycle #	Start Time (24 hours)	Stop Time (24 hours)	Speed (RPMs)
1	06:00	09:59	1700
2	10:00	15:59	3000
3	16:00	05:59	1200

Programming Each Cycle

1. Go to Schedule Mode by pressing the “Mode” button until it reads “Schedule”

2. Press the "Quick Set" button to go into the speed setting page of cycle
3. Change the speed by pressing the arrow and "+ / -"
4. Press "Enter" to save and to go into the start time setting page for cycle
5. Change the start time by pressing the arrow and "+ / -"
6. Press "Enter" to save and to go into the stop time setting page for cycle
7. Change the stop time by pressing the arrow and "+ / -" button
8. Press "Enter" to go into the next speed setting Repeat steps 1-7 for cycles 2 and 3.

Setting The Time

1. First, make sure the screen is on the home
2. Press the "Set Time"
3. Change the time by pressing the arrow and "+ / -"
4. Press "Enter" to save and to go back to the home

Setting Quick Clean

The factory-set quick clean speed is at 3450 RPMs with a duration of 5 hours.

1. First, make sure the screen is on the home
2. Press the "Quick Clean" button to go into the quick clean
3. Press the "Quick Set" button to go into the clean speed setting
4. Change the speed by pressing the arrow and "+ / -"
5. Press "Enter" to save and to go into clean time duration setting
6. Change the clean time by pressing the arrow button and "+ / -"
7. Press "Enter" to save and go back to the home

Setting The Ant-freeze

The factory-set antifreeze function is set to 750 RPMs when the temperature is below 4 degrees Celsius.

1. Make sure the screen is on the home
2. Press the "Anti" button to go into the antifreeze
3. Press the "Quick Set" button to go into enable/disable
4. Change setting to "OFF" to make it Keep it "ON" to make it active.
5. Press "Enter" to save and to go into antifreeze speed setting
6. Change the antifreeze speed by pressing the arrow button and "+ / -"
7. Press "Enter" to save and to go into the temperature setting
8. Change the temperature by pressing the arrow button and the "+ / -"
9. Press "Enter" to save and go back to the home

Basic Parameters

Noise: The noise for the pump is adjustable. The larger the noise value is, the more electric protection pump will have. The factory-set noise level is 10. This meets the electrical leakage standard for most areas. Please DO NOT

change if unnecessary.

Pump Address: This is available only in pumps with the RS485 modbus connector.

Minimum Speed: You can run the pump at minimum speed. The factory-set minimum speed is 450 RPMs.

1. Make sure the screen is on the home
2. Press the “INV” button to show the pump’s performance
3. Press the “Quick Set” button for the settings
4. Press “Enter” several times until “Min-Speed” is on the
5. Change the minimum speed by pressing the arrow and “+/-”
6. Press “Enter” to
7. If no other changes are needed, press the “Quick Set” button and go back to the home

Maximum Speed: You can run the pump at maximum speed. The factory-set minimum speed is 3450 RPMs.

8. Make sure the screen is on the home
9. Press the “INV” button to show the pump’s performance
10. Press the “Quick Set” button for the settings
11. Press “Enter” several times until “Max-Speed” is on the
12. Change the maximum speed by pressing the arrow and “+/-”
13. Press “Enter” to
14. If no other changes are needed, press the “Quick Set” button and go back to the home

External Speed, Baud Rate, Wait Time, Accelerate and Decelerate Time : This is available only in pumps with the RS485 modbus connector.

Electric Consumption: This is the accumulated energy consumption of the pump from the last restore of factory settings to the current moment. It is normal if the reading is not 0 before running the pump, as pumps are tested before leaving the factory.

Restore Factory Settings: This allows you to delete all of the settings of the pump and all data will be restored to factory settings.

Maintenance

This section covers how to service and maintain the pump.

The Strainer Basket

The strainer basket is located in the pump strainer and is visible when looking down into the pump lid. We recommend inspecting and cleaning the basket at least once a week to keep the pump efficiently working.

1. Stop the pump and turn power
2. Relieve the pressure in the system
3. Remove the pump lid
4. Take the strainer out and remove any debris from the If the basket is damaged or cracked, replace it.

5. Rinse out the
6. Return basket to pump
7. Fill the pump strainer housing with water until the inlet
8. Re-install pump

WARNING-Do not service the pump when it is plugged in. Failure to do so may cause injury.

Pump Motor

Although the pump is designed for outdoor use, it is highly recommended it be placed in a ventilated show and avoiding direct sunlight and rain. Keep it away from any foreign matter, dirt, or moisture. If the motor is wet, dry it before running.

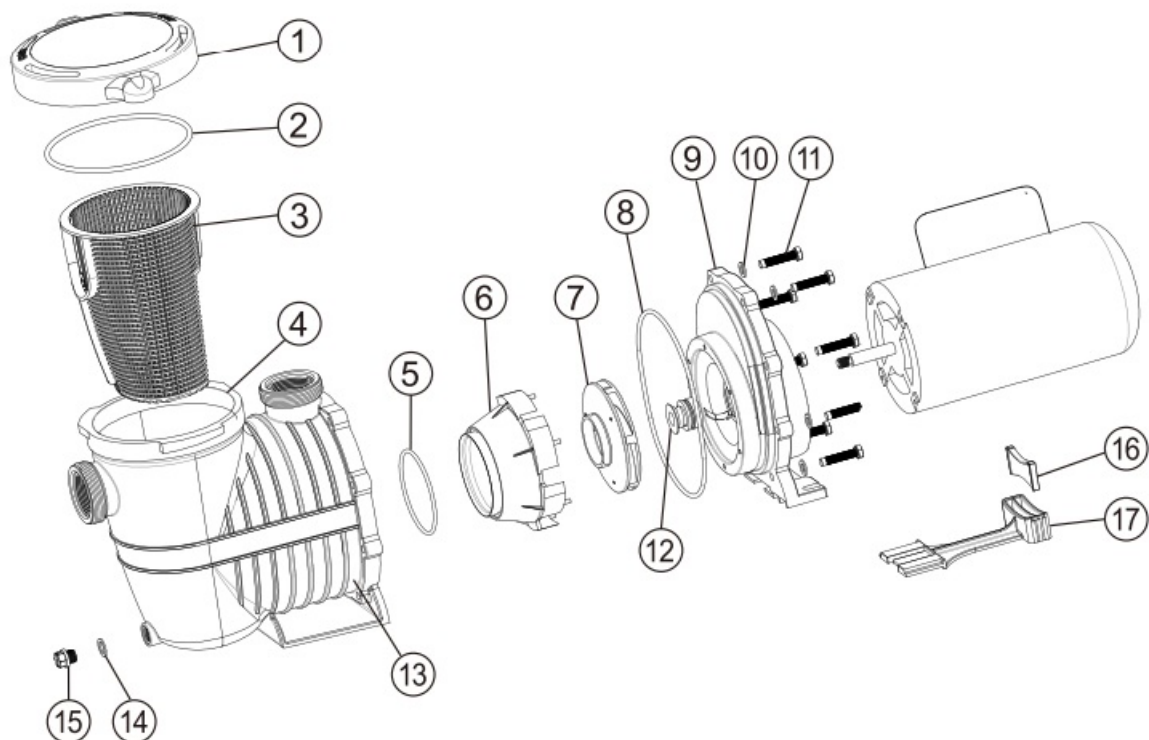
Storage

1. Dry the pump before storing
2. Do not wrap motor and controller with plastic or other air-tight materials

Troubleshooting Your Pump

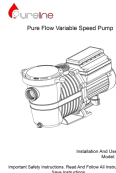
Issue	Solutions
The motor will not start	<ol style="list-style-type: none">1. Check for Incorrect wiring and loose electrical connections.2. Check switches, relays fuses, circuit breakers, and GFCI's. Replace if necessary.3. Manually rotate the shaft from the back of the motor to make sure it isn't stuck.4. If you have a timer, make sure it is working.
The motor shuts OFF	<ol style="list-style-type: none">1. Check for Incorrect wiring and loose electrical connections.2. Low voltage or electrical overload3. Motor damaged in transit
The motor hums but does not start	<ol style="list-style-type: none">1. The centrifugal switch is stuck in the open position.2. The impeller or motor shaft is stuck.

The pump wont prime	<ol style="list-style-type: none"> 1. Make sure the strainer cover is sealed and the strainer is filled with water. 2. Check the valves to ensure they are open and water can freely circulate. 3. Check pump for air leaks in the plumbing. Check the piping, joints, and connections. 4. If you have trouble priming your pump then many times, this can be solved by reducing your total dynamic head (TDH) within your plumbing system. The following items can help reduce TDH and help with priming. <ul style="list-style-type: none"> ● Make sure to have at least a 12" run of straight pipe going into the suction outlet of the pump. ● Remove as many 90-degree plumbing fittings as possible from your plumbing, especially before the suction port of the pump. Two 45's are better than one 90-degree fitting when it comes to TDH. ● Use larger 2" pipe on the suction side of the pump. ● Check out our guide on fixing priming problems with your pool pump https://www.inyopools.com/blog/how-to-fix-priming-problems-in-your-pool-plumbing/
Low flow	<ol style="list-style-type: none"> 1. Blocked or restricted filter screen or suction pipe. 2. Pipe size too small. 3. Pressure is too high. Follow filter manual instructions to replace/clean your media whether sand, cartridge, or DE. 4. Leak in the pump 5. Restricted or undersized suction or discharge lines
Noisy Pump	<ol style="list-style-type: none"> 1. Vibrations from pump base. 2. Check impeller for foreign objects 3. Used bearings from the motor, typically caused by water or chemical damage. Replace bearings and all pump seals.



Key	Description	Part Number
1	Pump Cover	PL1585
2	Cover O-ring	PL1586
3	Pump Basket	PL1636
4	Pump Housing	PL1632
5	Diffuser O-ring	PL1628
6	Diffuser	PL1627
7	Impeller 1.5 HP	PL1637
8	Pump Housing O-ring	PL1625
9	Seal Plate	PL1631
11	Housing Bolts	PL1623
12	Shaft Seal Assembly	PL1592
15	Drain Plug Assembly	PL1629
16	Base Bracket	PL1620
17	Base Bracket	PL1621

Documents / Resources

 <p>Pureline Pure Flow Variable Speed Pump</p> <p>Important Safety Instructions, Read and Follow All Instructions Save Instructions</p>	<p>Pureline PL1616 Pure Flow Variable Speed Pump [pdf] User Guide PL1616, PL1616 Pure Flow Variable Speed Pump, Pure Flow Variable Speed Pump, Flow Variable Speed Pump, Speed Pump, Pump</p>
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References

- [Swimming Pool Supplies - Pool Parts - INYOPools.com](#)
- [How To: Fix Priming Problems In your Pool Plumbing - INYOPools.com - DIY Resources](#)
- [How To Determine Why a Pool Pump Won't Prime - INYOPools.com](#)
- [How to Identify and Correct Air Leaks - INYOPools.com](#)

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