

- WARNING:** Pump must be installed by a licensed electrician or qualified spa technician in accordance with the National Electrical Code and all applicable local codes & ordinances. Improper installation will create an electrical hazard and risk of shock which could result in injury or death, or damage to property including fire.
- WARNING:** Risk of electrical shock. Must be connected to a grounded circuit, properly bonded, and protected by a Ground-Fault Circuit Interrupter (GFCI). Keep out of the reach of children to reduce the risk of injury.
- WARNING:** Always disconnect power to the pump at the circuit breaker before servicing the pump or making inspections. Failure to do so could result in death or serious injury due to electric shock.

ATTENTION!! Pump is factory-configured for 220-240V operation (Fig. 1). Pump voltage **MUST** be configured to match the control system's continuous circulating pump circuit voltage. Pump may be easily installer-configured for 120V circuit (Fig. 2). Operation on a 240V circuit, with pump misconfigured for 120V, will destroy motor and void warranty. Confirm circuit voltage and pump voltage configuration setup prior to installation. Consult with a professional if in doubt.

PUMP WIRING

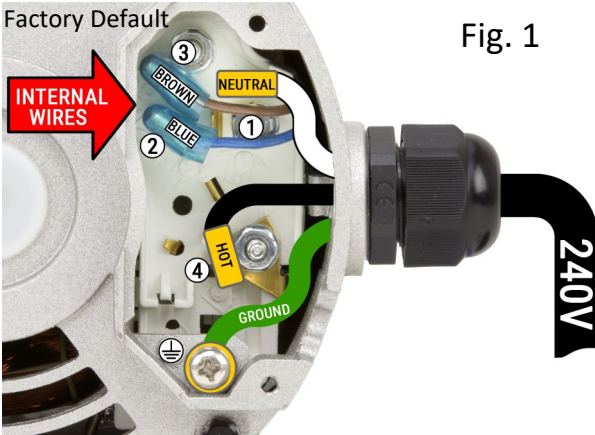


Fig. 1

240V Setup - Factory default (220-240 volts)

1. Turn off power before working on any electrical connections
2. CONFIRM pump circuit voltage matches pump voltage configuration
3. Internal Blue Wire: connect to Terminal 2
4. Internal Brown Wire: connect to Terminal 3
5. Supply White/Neutral Wire: connect to Terminal 1
6. Supply Black/Hot Wire: connect to Terminal 4
7. Supply Green/Ground Wire: connect with Ground Screw

NOTE: Spas wired for 240V may also have components operating at 120V

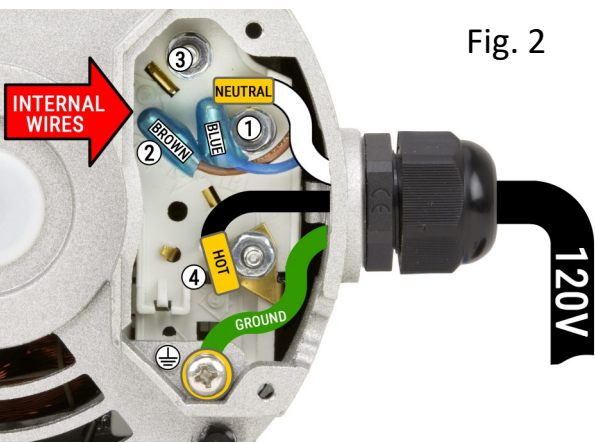


Fig. 2

120V Setup (110-120 volts)

1. Turn off power before working on any electrical connections
2. CONFIRM pump circuit voltage matches pump voltage configuration
3. Internal Blue Wire: connect to Terminal 1
4. Internal Brown Wire: connect to Terminal 2
5. Supply White/Neutral Wire: connect to Terminal 1
6. Supply Black/Hot Wire: connect to Terminal 4
7. Supply Green/Ground Wire: connect with Ground Screw

WARNING: Operating @ 240V with pump setup for 120V will destroy motor

INSTALLATION TIPS

1. Replace failing gasket seals or broken unions
2. Loosen lowest union slightly after installation to bleed air and flood/prime new pump, then retighten
3. Hand-tighten unions only, without wrench
4. After installation is complete, operate spa for a few minutes and observe for leaks or air locks

TROUBLESHOOTING TIPS

Symptom	Possible Cause	Check For
Motor not running	No power to pump	Incoming wiring to pump
		Circuit breaker on
		GFCI functioning properly
Water not pumping properly	Blockage or air lock	Pump inlet blockage
		Debris in pump housing
		Pump priming
	Low voltage	Pump voltage configuration