HydroMaster
HIGH PERFORMANCE SPA PUMP - 240V

OWNER'S GUIDE
IMPORTANT SAFETY INSTRUCTIONS
READ & SAVE THESE DIRECTIONS

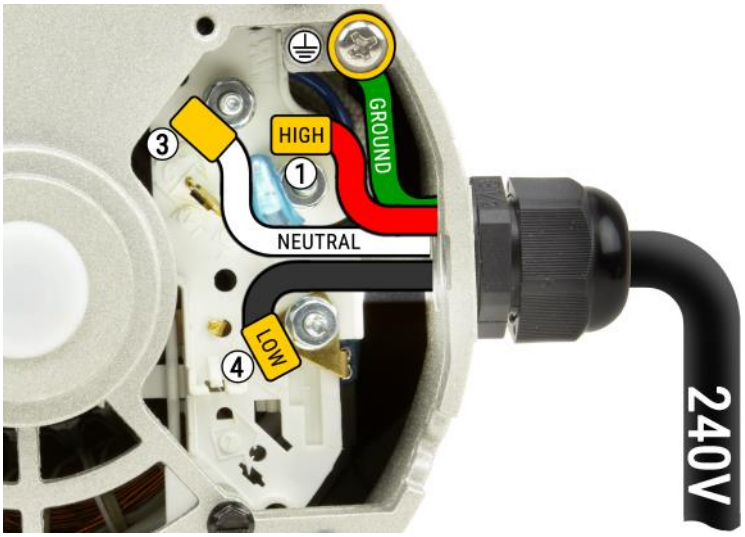
BX4116-S2, BX4117-S2

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.

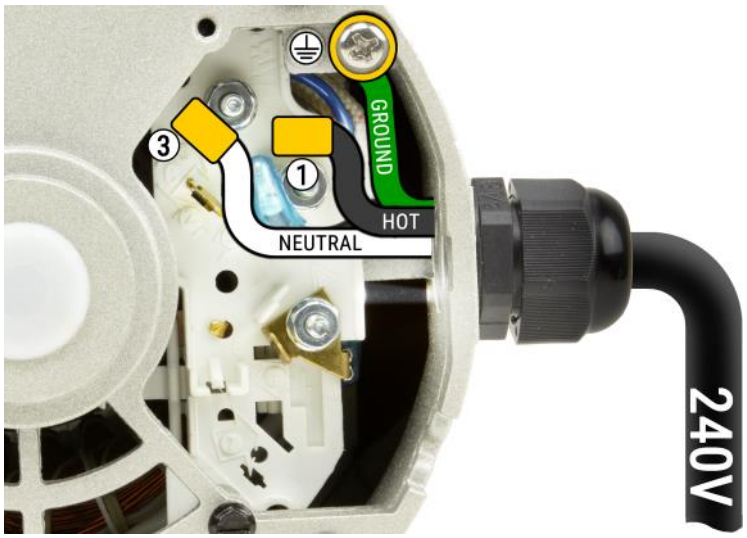
PUMP WIRING



2-Speed Setup

1. Turn off power before working on any electrical connections
2. CONFIRM pump circuit voltage matches pump (220-240V)
3. Supply White Wire: connect to Terminal 3
4. Supply Red Wire: connect to Terminal 1 (high speed)*
5. Supply Black Wire: connect to Terminal 4 (low speed)*
6. Supply Green/Ground Wire: connect with Ground Screw

***NOTE:** Some spas may use Red Wire for Low Speed, and Black Wire for High Speed. In such cases, simply swap Red and Black wire terminal positions for correct high & low speed control operation.



1-Speed Setup

1. Turn off power before working on any electrical connections
2. CONFIRM pump circuit voltage matches pump (220-240V)
3. Supply White Wire: connect to Terminal 3
4. Supply Black Wire: connect to Terminal 1
5. Supply Green/Ground Wire: connect with Ground Screw

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
High & low speeds function opposite	Reversed red & black wires	1 and 4 terminal positions