

POOL AND SPA PUMPS

INSTRUCTION MANUAL

IMPORTANT SAFETY INSTRUCTIONS

- 1) READ AND FOLLOW ALL INSTRUCTIONS
- 2) (For all units) **WARNING** – To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
- 3) (For all permanently installed units intended for use with 15 or 20 amp, 125 to 240 volt circuits, single phase branch circuits) **WARNING** – Risk of electric shock. Connect only to a ground fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the circuit is protected by a GFCI.
- 4) (For all permanently installed units intended for use with 15 or 20 amp, 125 to 240 volt circuits, single phase branch circuits) The unit must be connected only to a GFCI and must be tested regularly. Press the test button. The GFCI should interrupt power. Press the reset button for restoration. If it does not operate this way, it is defective. If the GFCI interrupts power to the pump without pressing the test button, it indicates a ground fault. Do not use the pump. Disconnect and have the problem corrected by a qualified service representative.
- 5) (For permanently installed pool pump units) **CAUTION** – This pump is intended for use with permanently installed pools and may also be used with hot tubs and spas. Do not use with storable pools. A permanently installed pool is constructed in or on the ground or in a building and is not intended to be disassembled. A storable pool is constructed so it can be readily disassembled for storage and reassembled.
- 6) (For storable pool pump units) **CAUTION** – This pump is intended for use with storable pools only.

Installation Diagram

Since the colors of the electrical supply wires of this appliance may not correspond with the color markings identifying the terminals of your unit, please proceed as follows:

- The green wire must be connected to the terminal marked with the letter E, the earth symbol, or colored green or green/yellow.
- The black and white wires are connected to the power supply for low speed.
- The red and white wires are connected to the power supply for high speed.

Technical Specifications

Model	V/Hz	Amps	Power Input P1 (kW)	Power Output P2 (HP)	Qmax (l/min)	Hmax (m)	Connection
48SUPD1501-I		10	0.75	1.0	380	18	1 1/2"
48SUPD2001-I		12	1.1	1.5	430	20	1 1/2"
48SUPD1501-II (Low speed)		3.8	0.15	0.20	180	5	1 1/2"

48SUPD1501 -II (High speed)		10.5	0.75	1.0	380	18	1 1/2"
48SUPD2001 -II (Low speed)		4.4	0.25	0.30	200	5	1 1/2"
48SUPD2001 -II (High speed)		13.8	1.1	1.5	430	20	1 1/2"

Liquid temperature: 4°C ~ 50°C

Storage temperature: -10°C ~ +50°C

Relative air humidity: max. 95%

Maintenance and Cleaning

No special maintenance or programming is required for hydro-massage pumps.

If unused for a long period, disassemble, clean, and store in a dry, ventilated place.

If cord is damaged, replace by qualified personnel.

To clean the pump:

1. Fill spa with water above suction inlet.
2. Run pump for 2–3 minutes.
3. Drain water after stopping motor.

Troubleshooting Guide

Symptom	Possible Cause	Verification
Pump does not start	No power / breaker tripped / GFCI fault / plug not connected	Check electrical supply, breaker, GFCI, plug, and spa water level
Pump does not pump	Blockage or leak	Check suction jets, suction call, debris, or leaks in pipes/housing
Low voltage	Improper voltage or extension cord used	Apply proper voltage; do not use extension cords