



4 IN. SUBMERSIBLE PUMP

2 & 3 Wire

SUBMERSIBLE PUMP QUICK REFERENCE GUIDE. SEE INSTRUCTION MANUAL FOR COMPLETE DETAILS.



For installation videos, scan with your smart phone.

1 WHAT IS THE VOLTAGE OF YOUR EXISTING PUMP?

115V



OR

230V

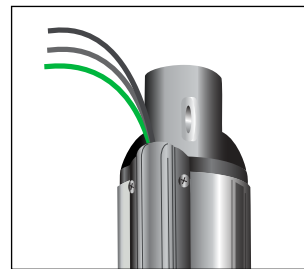


WARNING: You must match the voltage of your pump to the existing power supply.

ELECTRICAL SHOCK ALERT
All electrical wiring or service should be done by a qualified electrician.

2 HOW MANY WIRES DOES YOUR EXISTING PUMP INCLUDE?

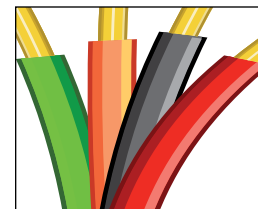
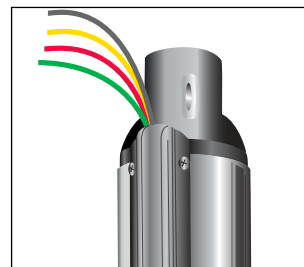
2 WIRES PLUS GROUND?



No Control Box is needed

OR ...

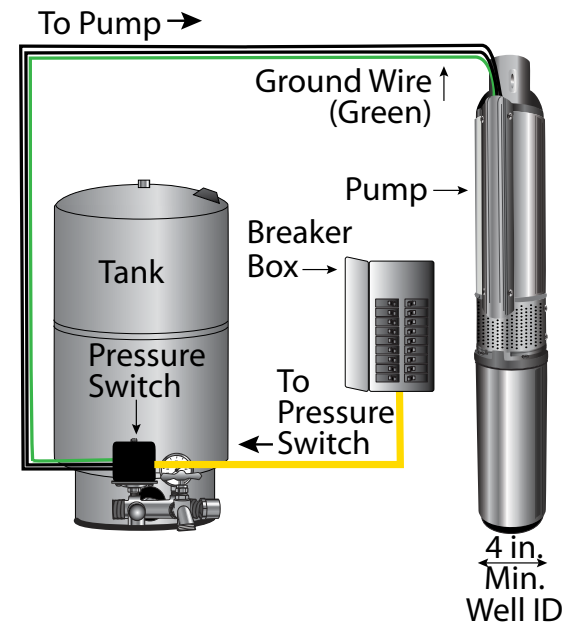
3 WIRES PLUS GROUND?



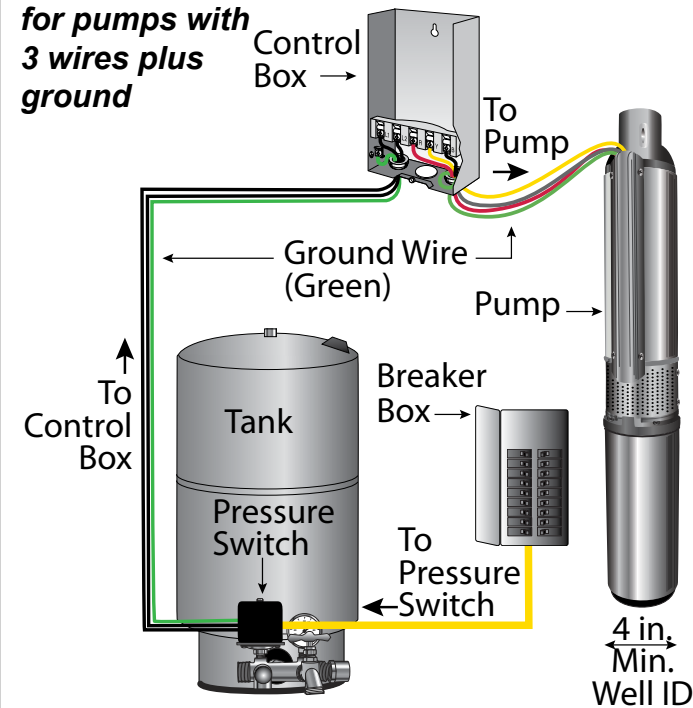
A control box with the same voltage and HP as the pump is required.

3 HERE'S HOW TO WIRE YOUR SUBMERSIBLE PUMP

Wiring Diagram for pumps with 2 wires plus ground



Wiring Diagram for pumps with 3 wires plus ground

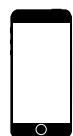


4 WHAT SIZE PUMP DO YOU NEED?

As a general guideline:
1/2 HP will pump from 100 ft.
3/4 HP will pump from 200 ft.
1 HP will pump from 300 ft.

5 BEFORE RETURNING PUMP, BE SURE TO CHECK THE FOLLOWING:

Problem	Possible cause	Corrective Action
Pump won't start	1. No power to motor	1. Check voltage at breaker box
	2. Blown fuse or tripped breaker	2. Check wire size, line voltage, wiring, pressure switch, control box, drop cable and motor winding resistance
	3. Loose wiring or connections	3. Check wiring and connections
	4. Incorrect control box or no control box	4. All 3 wire (plus ground) pumps require a control box that matches the pump HP and voltage.
Pump starts and stops	1. Inadequate voltage	1. Line voltage must match pump voltage.
	2. Incorrect wire size	2. Check for correct wire size. Replace undersized wire.
	3. Leak in system	3. Check for leaks in piping
	4. Water-logged pressure tank	4. Be sure tank pressure is 2 lbs. below turn-on pressure of switch.
Pump quit working	1. Blown fuse or tripped breaker	1. Check wire size, line voltage, wiring, pressure switch, control box, drop cable and motor winding resistance.
	2. Control box or pressure switch malfunction	2. Check for defects and replace if necessary
	3. Motor malfunction	3. Check motor winding resistance and replace if needed.



Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-742-5044, 7:30 a.m. - 5 p.m., EST, Monday - Friday.

100% FACTORY TESTED

NOTE: Pump may show water stains as a result of factory water testing.