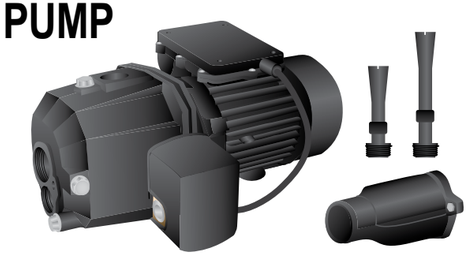
STAR®
WATER SYSTEMS

MODEL SJ05 1/2 HP, SJ07 3/4 HP, SJ10 1 HP

Deepwell 2 Pipe CONVERTIBLE JET PUMP



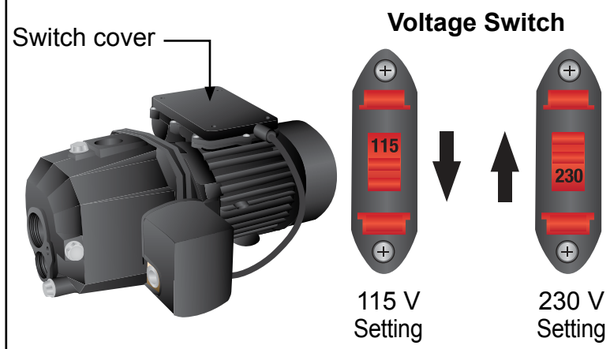
QUICK REFERENCE GUIDE.
SEE INSTRUCTION MANUAL FOR COMPLETE DETAILS.

For use with a pressure tank. Do not use for irrigation applications.

1

CAUTION: Make certain that the power source matches the pump requirements. Pump has a dual voltage motor and can run on either 115 V or 230 V.
Pump is pre-set at the factory to run on 230 V.

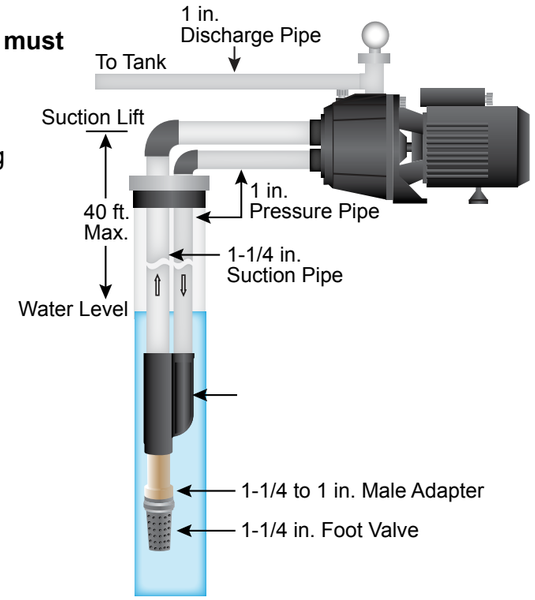
To change pump voltage, remove the square voltage switch cover at the top of pump and move the voltage switch as shown.



2a Two Pipe Deep Well Installations Only

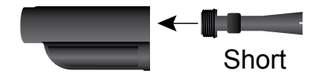
The provided ejector kit must be used with this pump.

IMPORTANT: For deep well applications, use long venturi tube in ejector body. Do not use short venturi tube in deep well applications.
Ejector must be installed in well as shown.

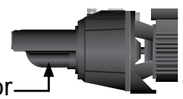


2b Single Pipe Shallow Well Installations Only

IMPORTANT: Use short venturi tube in ejector body for shallow well applications. Do not use long venturi tube.

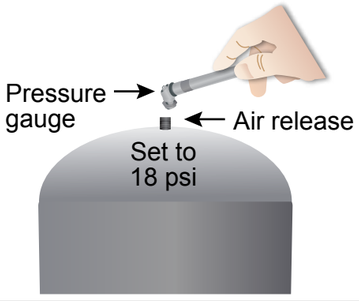


For single pipe shallow well installations, bolt ejector to front of pump. See instructions for more information.



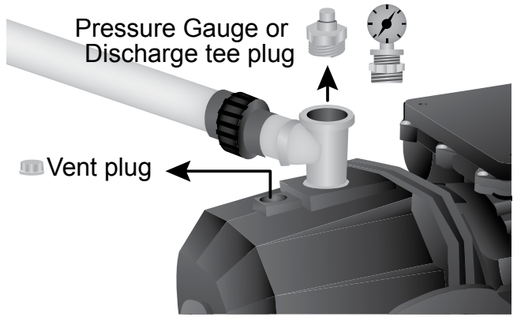
3 CHECK TANK PRESSURE

1. Completely drain all water from tank by turning off pump and opening a faucet until water stops.
2. Use a pressure gauge to ensure it's set to 18 psi.
   a. Use a tire pump to adjust the psi to 18 psi
   b. If water leaks from the air release valve, replace the pressure tank.

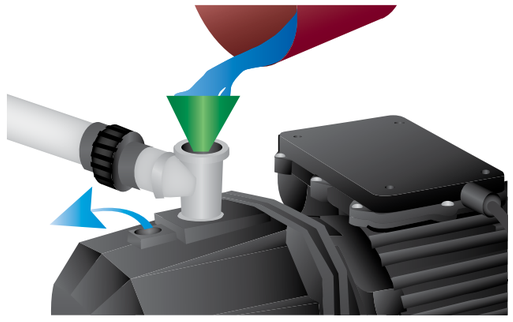


4

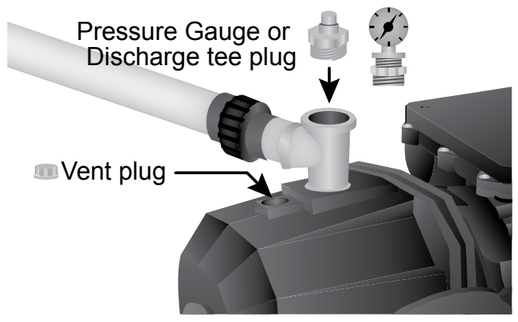
⚠ **CAUTION:** All pumps must be primed by filling the cavity with water before they are first operated. This will take several gallons of water, as the suction line must be filled in addition to the cavity of pump. Depending on the length of suction pipe, many gallons may be needed to fill the entire system.



a. Remove pressure gauge or discharge tee plug (not included) from the top of the discharge tee (not included). Remove the vent plug in front of the discharge tee.



b. Slowly fill the discharge tee with water until water overflows the vent plug opening. NOTE: Before turning on pump, loosely replace vent plug and open several outlets or faucets to allow water flow during priming.



c. Check to be sure water in the cavity of pump stays constant. If water level goes down, it could indicate a leak in the foot valve, check valve or suction pipe. If water remains constant, wrap the pressure gauge or discharge tee plug and vent plug threads with thread tape and thread into pump. Tighten with wrench (not included).

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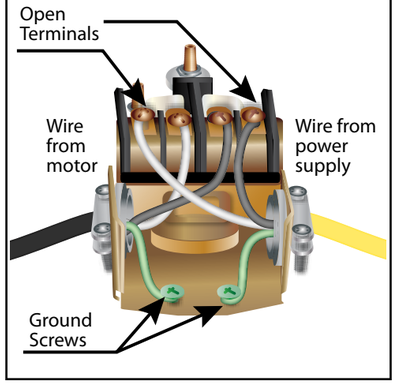
Connect the two wires from the power supply to the two open terminals on the pressure switch. Connect the green ground wire from the power supply to the open green ground screw in the pressure switch.



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