

Frequently Asked Questions: Shallow well jet pump

Question	Answer
<p>How can I determine which style pump I am replacing?</p>	<p>One pipe between water source and pump indicates a shallow well pump, two pipes a deep well pump.</p>
<p>What's the difference between a "shallow" and "convertible" well jet pump?</p>	<p>A shallow well jet pump can pump water from 0' to 25' deep. A convertible well jet pumps water from 0'-90' deep. A convertible well jet pump can operate between 0' to 25' with a shallow jet well nozzle or between 25' to 90' deep with an ejector assembly.</p>
<p>What's the difference between "deep well" jet pumps and "convertible" jet pumps?</p>	<p>We call both with no difference. We use the two terms interchangeably. They are often called convertible because they can be set up as either shallow or deep – "converted" between the two. In a shallow well setup an ejector kit is bolted to the nose of the pump. For deep well the kit is put down the well.</p>
<p>Is it possible for my depth-to-water to change?</p>	<p>Yes. Some wells can be affected by drought conditions or periods of excessive rains. The normal depth-to-water can change in such cases. Also, some wells are low-producing. This means that the ground water comes in and fills the well slowly. When your pump pulls water out of the well, it's possible that it is pulling water out faster than the ground is putting it in. In such cases, the depth-to-water will drop while the pump is pulling water out. If the water surface falls more than 25' down in such conditions, it is possible that a shallow well pump will not be able to pull the water up. It's also possible that when the level drops, it may drop below your pump's suction pipe. If this happens, it is possible that the pump could lose prime.</p>
<p>Can I use a jet pump to pull water out of a well, lake, or river for my sprinkler system?</p>	<p>Yes. Jet pumps make excellent pumps for small sprinkler systems. You will need to choose a pump that will put out about the same amount of water as your sprinkler system requires.</p>
<p>What size or horsepower of pump do I need?</p>	<p>In general, higher horsepower pumps put out more</p>

	<p>water (the GPM flow rate is higher). Different models of jet pump are designed differently. IN GENERAL, a ½ HP pump can provide water to a small house with one bathroom and just a couple people. If you have a 2nd bathroom that might be used at the same time as the first, or if your household might run the laundry at the same time as the shower, then going with higher horsepower is going to provide the extra water your household will need.</p>
<p>Do I need to register my pump for warranty?</p>	<p>No. Since the pump is a Home Depot exclusive product, you do not need to register for warranty. The proof of purchase (receipt) should be kept if you need to claim for warranty in the future.</p>
<p>Can I leave the pump right out in the rain and sun?</p>	<p>The pump motor is considered to be “drip-proof” but not weather-proof. You need to protect the pump from rain and other water, but still need to allow for air to be able to circulate around the motor. You cannot just put the pump in a big box unless there is a lot of ventilation. Usually, we recommend a sort of lean-to over the pump. Two boards that meet at the top above the pump will keep the rain off but still allow for good air flow.</p>
<p>Can I leave the pump as it is in freezing weather?</p>	<p>We very strongly recommend you to drain the water out of the pump and protect the pump well in freezing temperature.</p>
<p>Do I need to use a check valve or foot valve with this pump?</p>	<p>Yes. The check valve should be installed in the suction side piping as close to the source of water as possible. It should not be installed within 2’ of the pump’s inlet, or anywhere on the discharge side of the pump. A foot valve functions just like a check valve plus has a strainer on it. It goes on the end of the suction line in the water.</p>
<p>What voltage do these pumps need?</p>	<p>These pumps are factory previewed for 230 volts but can be changed to operate on 115V(see owner’s manual).</p>
<p>Can I run the pump at a higher pressure than what they are set up for from the factory?</p>	<p>The pressure switch attached to the pump is what controls the range of pressure in which the pump</p>

	<p>will run. The switch can be adjusted for different pressures. It is very important that you not adjust the pressure switch to a pressure that is higher than the pump is capable of reaching. Call customer support for details.</p>
<p>Do I need to have a pressure gauge on my pump or system?</p>	<p>The pressure gauge is like a speedometer on a car. The car will run fine without it but you don't know how fast you're going. Likewise, the pump system will run fine without a gauge, but you do not know what pressure is in the system. In most cases, that's fine.</p>
<p>What the tank air pressure should be set for proper application?</p>	<p>The tank is shipped with 28PSI pre-charge. Set tank pre-charge at 2 PSI BELOW pump pressure cut-in point. For example, the cut-in pressure set at 30PSI, set tank pre-charge pressure at 28PSI.</p>