

Why do you need a well pump?

A well pump supplies water to your home from within the ground. You may need a Red Lion well pump to replace an existing or undersized pump or to install in a new home. Whether you purchase a pump for replacement or new installation purposes, it is important to determine and select the correct pump.

New installation

New installation, although not difficult, does require a bit more consideration:

1. What is the well's depth to water?

The depth of the well to water is easily determined by attaching a small floatable device to the end of a string. Lower the string into the well until the device floats. Simply mark the string at ground level, remove from the well, and measure the length.

2. What type of pump do you need?

Based on your well's depth to water, choose your pump.

25 ft or less	Shallow well jet pump See illustration "A"
25 ft to 90 ft	Convertible jet pump See illustration "B"
25 ft to 400 ft	Submersible well pump See illustration "C"

There are both 2-wire and 3-wire submersible pumps. All 1 hp and smaller 3-wire submersible pumps include a control panel, which is required for installation.

3. What pump size do you need?

Determine well pump size by calculating how much water your house will use. This is easily done by counting the number of water fixtures in your home: showers, faucets, outdoor spigots, and water-using appliances (dishwashers, clothes washers, refrigerators). Each fixture requires one gallon per minute (gpm) of flow. The gpm is clearly marked on the front of each Red Lion box.

Tools needed



Replacing an existing pump

Both shallow and deep well jet pumps pump water out of your well through one or two inlet pipes that run down below the ground into your well. Look at the number of pipes to determine the type of pump you need. If your pump has one pipe, you need a shallow well jet pump or a deep well submersible pump; two pipes mean you need a convertible jet pump for deep well application.

Typical installations

