

# How Does a Well Pump Work?

According to a US Census American Housing Survey, an estimated 13 million across the United States use private wells as their water source (EPA). It's important to understand the working of your well water pump, so you know when to call experts to fix [water well pumps in Fallon NV](#), and how to keep your drinking water safe. After drilling or digging a well, a well pump is installed. It pumps the water from your well into your house. Modern private well water systems have more efficiency and reliability than older methods.



## Determine the Ideal Size

The ideal size for your home depends on three factors:

- Your property's size.
- How much water does your household use?
- How many plumbing fixtures do you have in your home?



## How does a well pump work?

The well pump pushes the water from your well and sends it into a storage tank, where it gets collected for your use. When the motor runs, it will draw water into the pump, pushing it to the surface into a pressure tank. As a result, the tank's air pressure increases until it reaches a specific preset level, ranging from 40 to 60 psi. Now, turn a faucet on, and decreasing air pressure force in the tank pushes water through your plumbing. The pump will turn back on until the air pressure reaches about 40 psi, and will begin to drive additional water into the storage tank.

## Maintenance

Regular system maintenance is essential to avoid expensive and inconvenient breakdowns. A yearly maintenance inspection includes a bacterial test for proper functioning and safe water usage. Professionals provide a detailed inspection of [water tanks in Reno NV](#).

During the annual inspection, the wellhead, well system components, and other equipment are thoroughly inspected to ensure water quality.

A change in the flavor, odor, or look of water needs inspection.

### Wells may require cleaning if

- the water is cloudy or tainted with suspended particles
- an odor or taste issue has arisen
- a biological activity test indicates biological activity in the water
- the capacity of the well has reduced

## Additional Tips

- Keep dangerous chemicals like motor oil, insecticides, and fertilizer away.
- Contact licensed water well drillers and pump installers.
- Check the well cap or well cover regularly to ensure it is in good condition.
- Keep your well, waste systems, and chemical storage facilities separated.

## Conclusion

Attempting to service the pump yourself can be dangerous. You need professionals for installation if you are having problems with it or want to ensure it lasts longer. It is preferable to leave the work to an experienced plumber. Scheduling yearly plumbing inspections to prevent problems



from developing is a good idea. Regular plumbing inspections will give you peace of mind and help you save money by identifying and fixing minor problems before they become major issues.

**Source:** <https://www.klusster.com/portfolios/bruce-mackay-pump-well-service-inc/contents/335692>