

## Holding Tank

The Challenger Holding Tank delivers CAD2 technology at a very affordable price.

If you have a house with a well, then you have a water pump. If the water pump had to switch on every time you turned on a faucet or took a shower it wouldn't take long for the pump to burn out. Your well tank stores water under pressure so that the water pump doesn't have to start up every time you need water. It protects the life of your pump and saves energy because it reduces the amount of time the pump has to run. It also provides more consistent pressure in between pump starts.

There are various designs of holding tanks, but the basic principle is quite simple: there is pressurized air on the top of the tank and a reservoir of water on the bottom. As the water pump fills the reservoir with water, it compresses the air on the top. When the pressure gets to 60psi, a switch turns the pump off. Then, as the water is used, the compressed air pushes the water out of the tank. When the pressure drops to 40psi, the pump switches back on and the cycle repeats itself.

**Flexcon offers a stainless steel water connection on a well tank, a union connection, a flow thru tank for constant pressure systems, and a diaphragm composite tank.**

**The Challenger Well Tank delivers CAD2 technology (Flexcon's controlled action diaphragm system) at a very affordable price. In short, you get superior air and water separation and unmatched performance.** The Flexcon patented manufacturing technique allows them to properly size the diaphragm in a full range of sizes from 14 to 119 gallons. Every Challenger tank undergoes a seam-weld test, high-pressure test, and is subjected to a helium test for air leaks. Before leaving the factory, a final air check ensures each tank arrives at the job site with the correct pre-charge. Flexcon stands behind every Challenger tank with a five-year warranty. Just what you would expect from Banner Water: quality and performance, guaranteed!

