

Pitless Adaptors

A **pitless adaptor** is a device that connects to your well casing below the frost level. Generally 5 to 7 feet below the ground surface in Northern Minnesota. The pitless unit allows the water line from inside the well to exit through the casing and continue underground to the house. It also allows service access through the top opening of the well. There are two pieces to a pitless adaptor, the outside piece attached and sealed around an access hole cut into the well casing and an inside piece that can be threaded into with a drop-pipe to pull the pump up and out of the well.

Warning!!!

Sound simple??? **Not at all!** Unless you are a trained water-well professional do not attempt removing the pump on your own. Inadequate procedure while pulling a submersible pump has many times sent the pump and the operators fingers down the well. And YES, I am trying to instill a sensible fear and regard for life and limb.

Pictured below (left) is a typical pitless adaptor installed on the well casing below frost level.



The picture on the right shows each component of this pitless unit (minus the clamps). The piece to the right of the gasket is attached to your water-line leading down the well to your submersible pump. This piece is accessible through the top of the well-head and slides into the mating piece clamped to the outside of the well-casing.

The installation of pitless adaptors, as all facets of water-well construction in Minnesota, is regulated by the Minnesota Department of Health.