



# Monitor® PS Pitless Units

## INSTALLATION INSTRUCTIONS

1. All pitless unit cases are joined by threading or welding either to well casing or adapter.

Where there is a change in size between pitless unit casing diameter and well casing diameter and well casing diameter an adapter must be threaded to pitless unit case.

2. Establish ground level at the well location. It is desirable to have ground slope away from pitless unit case in all directions.
3. The pitless unit case should extend above the ground level according to state well code. To accomplish this the well casing must be cut off at a distance below the ground level equal to the distance above ground less than the pitless unit case length. Take into account the method of adaption.\*
4. In order to do work, excavate around the well casing according to government regulations where well casing is to be cut off.
5. Cut off the well casing perpendicular to well casing axis.
6. The spool should now be removed from the case - to do this use a piece of 1-1/4" pipe with a thread on one end and a length of 2' or 3' longer than pitless unit. Remove seal cap - insert the threaded end of the pipe inside the case and into the end of the spool. Screw hand tight, then place a block of wood against the lower end of the spool casting and strike the block with a fairly heavy object and pull on the pipe which will remove the spool from the pitless case.

7. Lower the pitless case in place, rotate the discharge outlet to the desired angle. Rotating 90° to discharge line and using 90° elbow will allow any movement of the discharge line with undue stress at the discharge line connection.
8. Lower submersible pump and drop pipe into casing. Screw spool onto drop pipe. Holes are provided in the spool through which the pump motor cable may be passed.
9. Wipe the rubber "O" ring seals with a clean cloth and then coat with a heavy layer of petroleum jelly (vaseline) for proper seating of rings. Lower the entire assembly into pitless unit case.
10. Remove the 1-1/4" pipe. Install the cap. Connect discharge outlet to water system and complete wiring.
11. The unit is now ready to operate under power and should be run a sufficiently long time to see that there are no leaks in the discharge pipe.

The hole should not be filled in until the unit is running satisfactorily. Care should be exercised to fill under discharge line properly before back filling.

## MONITOR® KWIK CONNECT

Monitor PS Units with Kwik Connect on the bottom of the discharge body require no threading or welding.

### TO INSTALL:

1. Cut off the well casing at the desired point. See Step 3.
2. Use a file to remove any burrs from the top of well casing after it is cut.
3. Loosen the bolts on the bottom of the discharge body, and slide the unit onto the well casing.
4. Tighten all the bolts equally.

