



INSTALLATION INSTRUCTIONS

INDUSTRIAL PITLESS UNITS FOR WATER LUBRICATED TURBINE PUMPS 14" UPPER CASE SIZE AND LARGER

1. All pitless unit cases are joined by welding the unit to the well casing.
2. Establish ground level at the well location. It is desirable to have the 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 overall pitless unit length less the length the unit is to be above the ground.
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 the well casing center line.
6. Remove the motor support stand and then the spool assembly, using lift-out hooks assembled, and set aside. NOTE: (The spool assembly includes a spool with two o-ring seals, lift-out pipe and support plate.)
7. Lower the pitless case into place and rotate the discharge outlet to the desired location. Weld the pitless case to the well casing. THIS JOINT MUST BE WATERTIGHT AND IT IS ESSENTIAL THAT THE CENTER LINE OF THE PITLESS CASE AND WELL CASING BE THE SAME.
8. Attach the turbine pumps to the column pipe and lower into well making drive shaft etc., connections while lowering. When the last section of column pipe, shaft etc., is one foot or more above the pitless case, lower the spool assembly over the shaft and screw onto the column pipe.
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 spool assembly into place.
10. Install motor support stand and upper shaft seal.
11. Connect discharge outlet to distribution line.
12. Mount turbine motor onto motor support plate making all necessary shaft assemblies.
13. After all wiring has been completed the unit is ready to operate under power and should be run a sufficiently long time to see that there are no leaks present.
14. The hole should not be filled in until the unit is running satisfactorily. Care should be exercised to fill under the discharge line properly before back filling.

NOTE: Dissimilar metals should be avoided.