



## INDUSTRIAL PITLESS UNITS FOR SUBMERSIBLE PUMPS 6", 6.6", 8", 10", 12" 14" and 16" WELL SIZES

The Monitor PS Industrial Pitless Unit for submersible pumps forms a watertight extension of the well casing which starts below the frostline, where it is buried permanently, and continues upward 12 or more inches above grade, where the pitless case is closed with a watertight cap.

### FEATURES:

**CORROSION PROTECTION . . .** All water passages are either hot-dipped lead free galvanized or constructed of corrosion resistant material.

**EASY TO SERVICE . . .** Well cap can be removed without disconnecting cables. O-ring seals on spool permit withdrawal of the entire inner assembly simply by lifting. Replacement is equally simple. Spool support eliminates vertical adjustment and any possibility of dropping the inner assembly into the well.

**RELIABLE SEAL . . .** Neoprene O-rings between accurately machined hot-dipped lead free galvanized surfaces on the spool and within the unit provide positive seals.

**O-RING SEAL PROTECTION . . .** Monitor seal protection prevents seal damage during installation and service.

**FROST PROOF . . .** No heating is required. All water passages are below the frost line.

**QUICK TO INSTALL . . .** A quality pump installation can be made easily and economically without delay for masonry or building construction.

**ALTERNATIVE SPOOLS . . .** Are available on 6", 6.6" and 8" I.D. well sizes only. Spools are available plain (EO) or with silent check valves (E2-double).

### ALL INDUSTRIAL PITLESS UNITS ARE AVAILABLE IN STAINLESS STEEL UPON REQUEST

#### TO INSTALL A PS INDUSTRIAL UNIT:

An excavation around the well casing below the frost line is made and well casing cut off at a prescribed level. The well cap is removed and the spool assembly lifted out of the pitless case with a hoist and set aside.\* The pitless case is then welded or threaded tightly onto the well casing. The submersible motor, pump, and cable are attached to the drop pipe which is lowered into the well with a hoist; when the top of the last section of the drop pipe is one foot or more above the pitless case, the spool assembly is screwed onto the drop pipe. The spool assembly and drop pipe with motor, pump and cable are lowered into place; then finally the electrical service and well cap are installed.

\* The spool assembly includes: A spool with two or no silent check valves; two O-ring seals and hold-down assembly.

The Monitor Silent Check Valve has its operating parts automatically exposed when the spool is withdrawn. Complication and cost of installing separate check valve in the drop pipe are eliminated. Spools are supplied with tapping for either a pressure relief valve, or a pressure control.

**WATERTIGHT WELL CAP WITH SCREENED AIR VENT . . .** Designed to permit removal without disconnecting cables. Watertight cable and conduit sealing is optional.

**HOLD-DOWN . . .** Supplied with each unit. Hold-down pipe also serves as lift-out pipe for installation and servicing.

**REINFORCED O-RING LANDS . . .** Cast in to prevent discharge body from becoming out of round.

**DEPTH TEST BLOCK . . .** Standard on all units.

**LOCKING BOLTS . . .** Supplied for 10 inch wells and larger. Optional bolts on 8 inch.

### OPTIONS:

**SEALED CONDUIT CONNECTION . . .** Watertight conduit seals made of neoprene are available for most common cable sizes. (Round wire only)

**EPOXY PAINTING . . .** can be done, if required, for extra protection in certain soil types.

**ADDITIONAL TAPPING IN SPOOL**

**TRANSITION SLEEVE FOR MECHANICAL JOINT DISCHARGE.**

**PROBE TUBE . . .** on 8" and larger sizes.

**WATER SAMPLER VALVE . . .** on 8" and larger well sizes.

**FLOWING WELL UNITS . . .** for all sizes.