Hand Pumps

HAND PUMP INSTALLATION INSTRUCTIONS - 11HD & 12HD, 11HDA & 12HDA

With depth of well known, assemble cylinder to equal lengths of drop pipe and pump rod. Insert into well and continue to add drop pipe and pump rod of equal lengths allowing for a minimum of 2 feet between bottom of cylinder and bottom of well.

Assemble pump following the procedure.

1. Slip pipe flange (must be ordered separately) over well casing. Flange not required but may be used if preferred.
2. Unless already assembled, screw a 7/16 x 7/16 rod coupling to top of pump rod.
3. Guide pump base over pump rod and attach base securely to drop pipe. Note: Base is internally tapped 1-1/4" NPT. on 11HD & 12HD, 2" NPT. on 11HDA & 12HDA.
4. Position rubber packing washer (O81) onto top of pump base.
5. Attach bottom of round piston rod, of piston bar and packing tube assembly, to the 7/16 x 7/16 rod coupling attached to top of pump rod. Note: When tightening, grip the piston rod as close to the rod coupling as possible so as not to damage the rod surface that passes through packing tube assembly.
6. Guide flat bar through pump cap (O200) and upper guide (O460) and attach pump cap to base by tightening the 3 set screws uniformly and securely.
7. Attach pump handle to fulcrum (O400) using hole in pump handle as shown on drawing. In this position there will be a 10" stroke. Length of stroke may be varied to 7-1/2 inches or 5 inches simply by using one of the other holes available in pump handle. **Note:** Check for cylinder plunger striking bottom or top of cylinder with pump handle in extreme upper or lower position respectively. Some adjustment in length of the drop pipe or pump rod may be required to utilize the 10 inch stroke.
8. Lower the pump onto the pipe flange and secure to flange. Note: Be sure that pipe flange is properly secured to the well casing.
9. Attach syphon spout (O9 for 11HD & 11HDA) or bibb spout (O7 for 12HD & 12HDA) along with gasket (O80) to base using the 2 carriage bolts and nuts furnished.
10. Attach screen adapter assembly HPS (HD189, DP31, HD190) to end of spout, 1/4 turn and tighten set screw to lock to spout.