Instruction & Assembly
Flojak F-50 thru F-150

UNDERSTAND THOROUGHLY PRIOR TO INSTALLATION

INSTALLING FLOJAK INTO THE WELL

The Flojak is easier to install with two or three extra people...one to lift the center of the arch, and the others to guide and lower the pump into the well. The drop-line is a critical safety measure that may be used to help you lower your Flojak into the well while reducing the risk of dropping it. The ring-end must be anchored securely to a point close to the well head.

1. Carefully guide the Flojak into the well. DO NOT FORCE IT. I you encounter resistance, lift it a few feet and try a different route.
2. When Flojak is fully inserted, secure the hanger over the top edge of your well casing by tightening the 4 bolts with a 9/16” wrench. BE CAREFUL-DO NOT OVER TIGHTEN or you could crack the well casing.
3. Pull the lowering rope up until tight and secure it to the metal loop welded to the side of the hanger bracket. The rope can assist you if you decide to remove the pump in the future for any reason.
4. If using a Well-Bonnet, slip it over the well-cap or any wires, and close up the gaps using the Velcro fastener. Cinch the base of your bonnet in place around the well casing using the drawingstring.

If you are using a PowerJak or MiniJak lift-assist, follow the installation directions included with your PowerJak handle kit.

PUMP OPERATION

Prior to regular use, it is recommended that you decontaminate your well and newly installed pump by pouring a half gallon of clear, unscented bleach into the well opening. Wait an hour or so and then pump several gallons of chlorinated water through your Flojak and any piping or hoses used to transport water. Within a day or two, fresh water will replace the chlorinated water in your well, and the smell will dissipate. If you need to use the water immediately, use smaller quantities of bleach until you can just begin to smell it in the pumped water. You can filter chlorine with the right filters, and bleach dissipates in air. A large surface area container for storage will help.

Operating Flojak is simple. Lift the Tee-handle to a comfortable pumping height and stroke up and down to produce water through the handle, on the down stroke. Initial priming from 50 feet below the surface (for example) will require about ten 22-24” strokes. If you are using an assist handle, the strokes will be shorter (but will require much less effort). Without the Jak assist handles, it takes about 7 average strokes to produce a gallon of water.

Flojak is equipped with a ball-valve below the handle which allows you to keep an uphill-pump if you are pumping up an incline to a tank, garden or into your home through an exterior faucet.

Operating Flojak comes with a PVC hose fitting on the handle. You may attach an optional 6-foot or 50-foot “GatorHyde” hose capable of 200 PSI pumping pressures. The longer hose can be attached to any unrestricted outdoor faucet for supplying water into your house for sinks, tubs or flushing.

ATTENTION-The directions provided by your PVC cleaner, primer glue maker must be followed strictly, particularly if you are attempting to glue your Flojak in extreme heat or cold. Your pump must be glued 24 hours prior to handling or exposure water and weight. To ensure good glue joints plan your well installation for the day after glue-up. Failed glue joints are avoidable with care, and are your responsibility. For more information on glue application, go to www.oatey.com and click on the “How to Use” link to helpful YouTube Videos.

WARNING-When lowering the Flojak into your well, the pump and piping assembly weighs approximately 41 lbs per 50 feet. You must lower the unit into your well utilizing a firm grip in the piping, plus the lowering rope. Rubber gripping gloves are highly recommended.

NOTE: Your Flojak comes from the factory with about 60 feet of lowering cord. If you are lowering the pump more than 50 feet, you will need additional rope or cable with a working load rating of at least three times the weight of your pump assembly. Flojak must be assembled in 5-foot sections to an “ideal length”. The ideal length of an assembled Flojak will reach from the surface, to a depth of 10-20 feet below the “static water level” while staying at least 10 feet from the bottom of the well. Static water level is the distance from the surface to water. It is usually much less than the drilled depth of the well itself. Prior to assembly, determine the “ideal length” by gathering some information about the well.

NOTE to avoid the possibility of electrical shock ensure that all power to the existing pump and well area, has been disconnected at the main distribution panel, and the pump breaker. It is recommended that you use a qualified, licensed electrician who is a certified well technician! It is your responsibility to ensure that all applicable local and state regulations, requirements and codes are adhered to.
You need is the "ideal length." This is at least 10 feet below static water level, and at least 10 feet from the well bottom. Do not feel that you must use every section of pipe. What you need is the "ideal length."

**EXAMPLE:** Say your static water level is 24 feet from the surface, and the well depth (including the casing) is 56 feet. The "ideal length" for your pump assembly will be 35, 40 or 45 feet…which is at least 10 feet below static water level, and at least 10 feet from the well bottom. Do not feel that you must use every section of pipe. What you need is the "ideal length."

Electronic components can ONLY occur one section at a time. Do not try to pre-glue multiple 5 foot sections. The pump must be assembled by gluing "one" 5 foot section of small pipe first, followed by quickly sliding and attaching a glued section of larger pipe over the small pipe. The glue-up will start at the pump end nearest your well and end at the static water level below. Your assembled FloJak needs to be assembled at least 10 feet longer.

1. Lower the metal ring-end of the drop line into the well until you hear it "splash" which indicates the static water level. Mark the line with a knot, pull it up, and measure the distance from the knot to the ring. This will be the distance from the surface to the static water level below. Your assembled FloJak needs to be assembled at least 10 feet longer.

2. Remove the knot and lower as much line into the well as possible to ensure that your FloJak will be at least 10 feet above the silty/sandy bottom of the well.

**TIP:** If the drop line goes slack when checking for well-depth, then the weighted line hangs straight at 110 feet, (for example) then you have adequate clearance for a 100 foot FloJak pump.

3. From the "hanger" end of the assembly, push the extended ¾" pipe into the assembly until it bottoms out. Cut the excess ¾" pipe off at aprox. 2" above the debris cap. (See top illustration)

4. Glue the handle assembly and ball valve together as shown, and then glue the assembly to the curved rod until it bottoms out. Cut the excess ¾" pipe out of the assembly, push the extended pump rod section out of the pump housing 12".

5. Remove the label from the pump by pulling the cord through it.

6. To make assembly easier, pull the small (3/4") pump rod section out of the pump housing 12".

7. Prep and quickly glue the flared end of the small (3/4") pump rod section onto the extended pump rod section.

8. Next prep and glue matching sections of the larger diameter pipe. Quickly slide the large pipe (before the glue sets) over the small pipe (which was just glued in step 3), and onto the waiting end of the pump.

9. Repeat steps 3 and 4, until you have assembled enough sections to reach the "ideal length" for your well.

10. Wait 24 hours without moving the glued assembly, prior to installing into the well.