

C. CONNECTING SUCTION TUBING

Flooded Suction (Preferred Method)

1. Mount pump 12" above the floor with the head extending beyond mounting surface so the suction tubing curves gently away from the pump to prevent kinking.
2. Install 1/2" or 3/4" NPT shut off valve, with at least 3/4" clear way through the valve, into reservoir. This is necessary to stop flow from reservoir while servicing the pump.
3. Install barbed connector (one [1] of two [2] supplied) into the valve. Attach 15/16" O.D. Vinyl tubing to the barbed connector. Secure with the hose clamp provided. (Use shortest length of suction tubing necessary.)
4. Connect the other end of the suction fitting at the pump and secure with the hose clamp provided.

D. CONNECTING SUCTION TUBING

Suction lift (Pump Sitting on Barrel: Maximum Lift 3.5 ft.)

1. Connect the suction tubing to the barbed suction fitting on the pump. Secure with the hose clamp provided.
2. Cut tubing so it will only reach within 1" of the bottom of the barrel.
3. If tubing curl is a problem, fabricate a 1" Polypropylene or PVC pipe as a tubing straightener. (Pipe should be slightly longer than the depth of the barrel for ease of removal.)
2. Place the tubing straightener over the suction tubing and lower into the barrel.

E. PRIMING

When all precautionary steps have been taken, the pump is mounted, and the tubing is securely attached, you may now start priming the pump.

1. Plug in or switch the pump on.
2. While the pump is running, set at 100% speed and 100% stroke length.
3. The suction tubing should begin to fill with solution from the tank.

4. A small amount of solution will begin to discharge out the discharge valve. Once this happens, **SHUT THE PUMP OFF.**

5. The pump is now primed.

Note: The pumps are normally self priming if suction lift is less than 3.5 feet (1 meter), check valves are wet (there is usually water in the pump head when shipped from the factory), and the steps above are followed. If the pump does not self prime, see below:

1. Remove the discharge valve housing and ball and slowly pour water or solution into the pump head until it is filled. Replace valve housing and ball and repeat steps above.
2. Temporarily improve suction conditions by pumping from a container closer to or above pump.
3. If difficulty is experienced on the initial prime, apply vacuum by suitable means, such as a hand suction pump. For 6XXVI and 6XXVP, apply vacuum to the discharge tubing or piping. For 6XXPI and 6XXPP, apply vacuum to the convenient primary port on the front of the pump head. Difficulty should not reoccur after pump is primed with a viscous liquid.

F. DEPRESSURIZING THE DISCHARGE LINE

ALWAYS wear protective clothing, face shield, safety glasses and gloves when performing any maintenance or replacement on your pump.

Read steps 1 and 2 below before proceeding.

1. Be sure the Injection Check Valve is properly installed and is operating. If a shut off valve has been installed downstream of the Injection Valve, it should be closed.
2. **Line Depressurization:**
To reduce the risk of chemical splash during disassembly or maintenance, all installations should be equipped with line depressurization capability.



When tubing connections are loosened, chemical will drain from the line. Use appropriate safety precautions to avoid contact with chemical.

REFER TO YOUR ELECTRONIC METERING PUMP INSTRUCTION MANUAL FOR ADDITIONAL INSTRUCTIONS AND PRECAUTIONS. You may contact your local LMI Distributor for additional information or visit LMI on the web at www.lmipumps.com