



LAB PUMP

MODELS	
PP-8325	PP-8327
PP-8334	PP-8339

Refer to Bulletin P-407 and
Parts List P-1175

BEFORE STARTING PUMP

1. Read Operating Instructions and instructions supplied with chemical to be used.
2. Refer to a chemical resistance data chart for compatibility of materials in pump with solution to be used.
3. Note temperature and pressure limitations.
4. Personnel operating pump should always wear suitable protective clothing, face mask or goggles, apron and gloves.
5. Always close valves slowly to avoid hydraulic shock.
6. Ensure that all fittings and connections are properly tightened.
7. LAB PUMPS **ARE NOT TO BE USED FOR PUMPING FLAMMABLE OR COMBUSTIBLE LIQUIDS.**

PRE-START-UP

1. Hose adapter furnished with the pump is for use with $\frac{3}{4}$ " I.D. hose. Check chemical compatibility of the hose with the solution to be pumped.
2. Motors are 115V/1/60 230W or 230V/1/50 180W Open Drip-Proof.

NOTE: Motor nameplate must correspond to power source used.

OPEN MOTORS ARE NOT TO BE USED FOR PUMPING FLAMMABLE OR COMBUSTIBLE LIQUIDS.

3. These motors incorporate resettable thermal overload protection which shuts off the motor when it is overheated. Should this occur, switch the pump into the 'OFF' position until it cools; push the red reset button of the overload protective switch and switch pump on again.
4. Connect hose to pump discharge adapter. Install securely to adapter and tighten hose clamp. Also be sure to tighten wing lock nut which locks adapter to pump.

5. When flow control nozzle is used, install securely to hose end and tighten clamp. If using only hose, be sure it is secured in a safe position before starting the pump.
6. Before starting or connecting motor to power supply, be sure motor is in 'OFF' position.
7. Mount wall bracket at a conveniently accessible location and store pump on it.
8. Discharge nozzle or end of hose should be secured to the discharge container before energizing motor.
9. Operating pump motor assembly should never be left unattended.

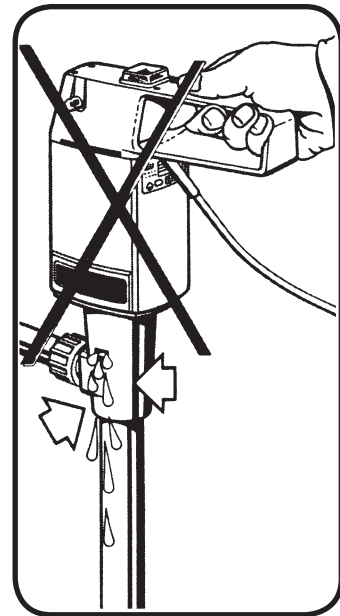
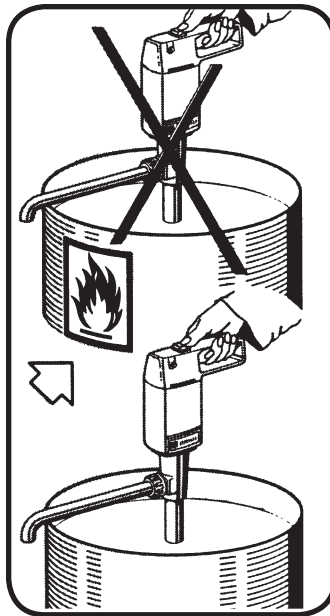
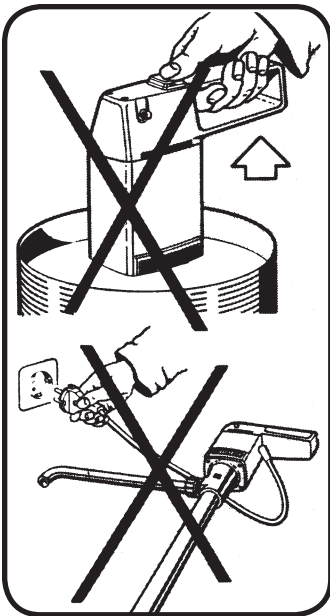
START-UP

1. First use pump on water to acquaint yourself with the assembly and check motor operation, flow rate, security of all hose connections, operation of flow control nozzle, liquid velocity and pump drainage.
2. Use only on solution for which pump was purchased. Be sure to follow all corporate, local, state and federal safety precautions when operating pump.

OPERATION TIPS

1. When finished using pump, drain pump and hose thoroughly and operate on 1-2 gallons of clear water or neutral solution for 15-30 seconds to completely flush and rinse pump and hose assembly.
2. Never store the assembly in the drum or carboy. Always rinse thoroughly and hang on wall bracket for safe storage.
3. Use drum adapter when vertical support of pump is required and when an auxiliary vent is provided in the drum. The drum adapter also prevents fumes from rising around the motor and possibly causing electrical or mechanical malfunction.

4. Control nozzle may be used to temporarily shut off pump discharge.
5. Do not immerse pump into any liquid above the hose connection.
6. Do not run pump dry, or longer than 10-15 seconds after container is empty. Dry operation will damage pump.
7. Do not run on liquid slurries or solutions containing abrasives when large chips, etc., are present in the solution.
8. Do not rest the pump or store the pump on an angle. Pump distortion and high motor speed combine to cause pump wear.
9. Do not use polypropylene pump on liquids above 120°F, except for short intervals. The combined effect of temperature and chemicals can affect the plastic.
10. The pump is not an explosion-proof type and must not be used for pumping combustible liquids.
11. If liquid should run out of the weep holes in the motor connecting bracket above the discharge, return the pump for repairs.



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