2125 PUMP INSTALLATION

MOUNTING
- Ensure the area you have selected for installation is dry, well ventilated, and has access to power.
- The suction side of the pump should be positioned so that it is facing down. (See illustration below) This will optimize the priming, and avoid cavitation from air in the bag-in-box product.
- Ideally the pump should be at the same level or just below product.
- Position pump to desired area, secure mounting screws through the rubber grommet in the baseplate of pump. (See, illustration below)

HOSE CONNECTIONS
- Food grade Vinyl tygon tubing or equivalent with 3/8" I.D. (8.9 mm) is recommended for both suction and discharge.
- Total length of tubing run should not exceed 50’ (15.2 m) to ensure sufficient pressure to brix the dispensing valve.
- The vertical lift of the, tubing run should not exceed 10” (3.0 m) within the 50’ (15.2 m) hose run.
- Use a #17.0 oetiker clamp or a worm gear clamp with 360° uniform clamping band.
- Avoid sharp, bends that could restrict flow especially on suction side.
- After tubing installation is complete begin priming sequence.

FIGURE 1

ELECTRICAL
24 Volt AC Power - Wire pump as follows: Black wire and white wire to 24 Volt power supply. Green wire to safety ground.
115 Volt AC Power - Plug pump into standard 115 Volt grounded electrical source or GFI.
230 Volt AC Power - Wire appropriate connector for system. Green wire to safety ground.

OPERATION
The Model 2125 is a demand pump. The pump will come on when dispensing valve is open and shut off when valve is closed.
To start operation, open dispensing valve to purge air from the system. Pump will now operate automatically by starting and stopping on demand, as beverage is served and maintain constant pressure, at dispensing valve. The pump will shut off when beverage bag has been depleted and sold out light will go on. The pump will automatically reset and the light will go out when a full bag is connected. The pump is equipped with an automatic timer designed to shut the pump off after 3 minutes of continuous running. The timer is set at the factory and needs no adjustment. To restart, push white reset button on face of pump. To purge any air trapped in the pump open Dispensing Valve and run pump until all air is purged from pump and inlet lines.
System pressure and flow can be adjusted as follows: Pressure control - The hexhead screw on face of pump adjusts the pressure (See Fig. #3). The pump is set at 50 PSI (3.4 BAR) max. at the factory. To reduce pressure turn screw counter clockwise with Alien wrench. To increase, turn screw clockwise. Pressure can be adjusted between a high of 50 PSI (3.4 BAR) to a low of 30 PSI (2.1 BAR).
The 2125 has an automatic sold out switch which stops the pump when bag is empty and high vacuum builds up in the inlet line. The sold out switch is set at 14 ± 2 in Hg. The sold out switch will automatically restart the pump when a new bag is connected and vacuum in the inlet line has returned to normal.

FIGURE 3
TROUBLESHOOTING

1. Pulsating flow - pump cycling on and off:
   - Restricted pump delivery. Check discharge lines, fittings, valves.
   - Check motor speed and pressure adjustments.

2. Failure to prime - Motor operates, but no pump discharge:
   - Empty product bag.
   - Bag connector not fully engaged.
   - Obstruction in product discharge line or dispensing valve.
   - Air leak in intake line.
   - Punctured pump diaphragm.
   - Defective pump check valve.
   - Faulty pump.
   - Leak or break in product inlet or discharge line.

3. Pump continues to operate when product is "Sold Out":
   - Leak in suction line or faulty automatic shutoff.
   - Punctured pump diaphragm.
   - Discharge line leak.
   - Insufficient voltage to pump.
   - Defective pump check valve.

4. Low pressure at dispensing valve:
   - Excessive line restriction due to undersize tubing or fittings.
   - Check pressure adjustment.
   - Check motor speed adjustment.
   - Air leak at pump intake.
   - Accumulation of debris inside pump and plumbing.
   - Worn pump bearing (excessive noise).
   - Punctured pump diaphragm.
   - Defective motor. Defective pump check valve.

5. Pump fails to restart automatically after bag replacement:
   - Bag connector not fully engaged.

6. Pump fails to stop when dispensing valve is closed:
   - Leak in discharge line.
   - Empty product bag and insufficient voltage to pump.
   - Defective pump check valve.
   - Speed control set to low.

LIMITED WARRANTY

FLOJET warrants this product to be free of defects in material and/or workmanship for a period of one year after purchase by the customer from FLOJET. During this one year period, FLOJET will at its option, at no charge to the customer, repair or replace this product with a new or reconditioned product, but not remove or install, in the event that it is found to be defective in material and/or workmanship.

This Limited Warranty does not include service to diagnose a claimed malfunction in this product at any location other than at Flojet's corporate head-quarters, nor to repair damage due to improper installation, incompatibility with accessories not manufactured by FLOJET, external electrical fault, accident, or misuse. All other express and implied warranties for this product including the warranties of merchantability and fitness for a particular purpose, are hereby disclaimed. The savings, or other special, incidental, tort or otherwise, or whether arising out of the purchase price of the product. This limitation applies to damages of any kind including any direct or indirect damages, lost profits, lost investment capital or savings, or other special, incidental, tort or otherwise, or whether arising out of the use or inability to use such product even if FLOJET has been advised of the possibility of such damages or of any claim by any other party. (Some jurisdictions do not allow the exclusion of implied warranties nor limitations on how long an implied warranty lasts, so the above limitations may not apply to you.)

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