

USER MANUAL



Economic Plastic Valve



Closed and Secure Dispensing

Introducing EPV: The Economic Plastic Valve

A disposable liquid transfer system designed for pumping commodity chemicals

Economic

- Cost-effective solution supporting drum re-conditioning programs
- Disposable or recyclable
- Reusable coupler

Closed System

- Maximum flow rate 9 g/min (H₂O @ 72°F)
- Safe dry disconnect dispensing
- Eliminates environmental spillage
- Improve worker safety
- Reduces potential liability costs

No Metal Parts

- Broad chemical compatibility
- Environmentally friendly recyclable HDPE plastic construction, FDA compliant*

Secure Lock & Key

- Numerous Coupler / Valve keyed combinations
- Minimizes the risks of cross contamination
- Color key system – ease of use
- Error proof dispensing

*Available with FDA EPDM, FDA Viton, Viton, others available upon request.



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- Secure lock & key system
- Color coded - ease of identification
- User friendly
- Large number of keyed profiles
- Worker safety
- Error proof dispensing
- Minimize risk of cross contamination

EPV Extractor Valve Installation



1. Before installing the valve ensure the container sealing surface is clean and free from foreign debris.



2. Verify outer seal is present and not damaged.



3. Ensure that the valve has correct key/color code.



4. Install valve in container and turn clockwise until tight.



5. Verify installation adapter has key code matching key code on valve.



6. Insert adapter in valve. Press down on adapter while installing the valve by using 12 - 15 ft/lbs. **Caution:** Over torque might damage the valve.

Caution:

Valves installed by using more than 15 ft/lbs will not work properly with coupler.

Prepare and Use EPV Coupler



1. Connect product line to coupler outlet before usage. **Caution:** only use plastic fittings.



2. Align key codes as illustrated.



3. Insert coupler vertically into valve opening.



4. Press down firmly on coupler as illustrated. While applying pressure twist coupler clockwise to ensure proper installation.



5. Coupler engaged correctly. Coupler is able to swivel to achieve best possible hose alignment.



6. The EPV coupler is equipped with an air inlet that will allow the system to be pressurized in order to prime small pumps (3 PSI Max. Priming).

Caution:

The system is not designed for pressure dispensing and should not be used in that manner.

Disengage Coupler After Use



1. When disengaging the coupler push down firmly on the coupler while pushing the button on the side.



2. Turn the coupler counter clockwise $\frac{1}{2}$ turn until button engages firmly and starts to close the valve.

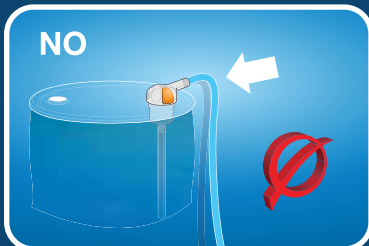
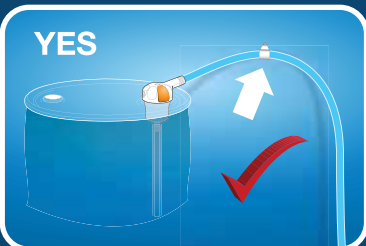


3. When coupler starts to rotate, release downward pressure. Continue to push the button while lifting upwards, rotating the coupler until valve is closed.



4. Remove the coupler with an upward motion.

Support Tubing

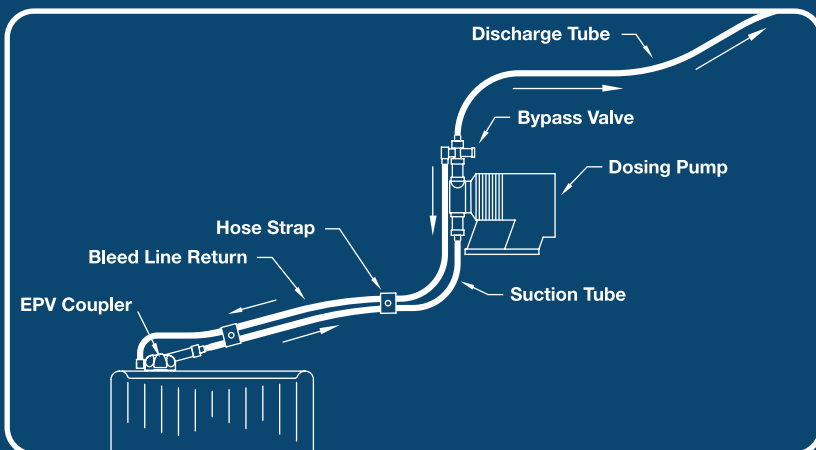
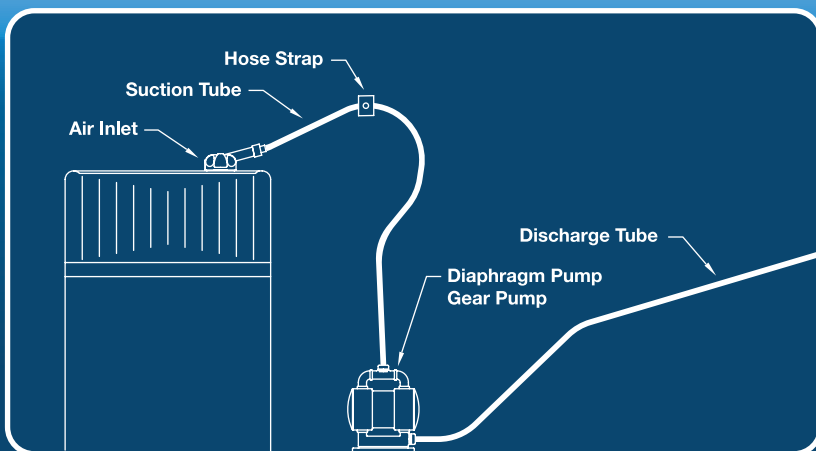


Follow these installation guide lines to ensure the system will operate properly.

- Plastic fittings should be used for all coupler connections.

- Product outlet: **Max 1/2" ID tubing** (Durometer: Shore A 75 or less) Flow rate 9 g/min; or **Max 1/4" ID tubing** (Durometer: Shore D 75 or less) Flow rate 2.2 g/min.

- If the tubing connected to the coupler outlet exceeds 3 ft in length, support the tubing.





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