

ECII/RegO Products

Operating Instructions for G8475RV & RW

Multivalves® for Vapor Withdrawal

Suitable for use on LP-Gas

Maximum Allowable Pressure 25 bar

**Warning: Installation, usage and maintenance of this product must be in compliance with all Engineered Controls International Inc. instructions as well all requirements and provisions of National, and Local standards, codes, regulations, and laws.**

**Inspection and maintenance on a periodic basis is essential. Installation and maintenance should be performed only by qualified personnel.**

**Be sure all instructions are read and understood before installation, operation and maintenance. These instructions must be passed on to the end user of the valve.**

**Caution: Contact or inhalation of liquid propane, anhydrous ammonia, and their vapors can cause serious injury and death! NH<sub>3</sub> and LP-Gas must be released outdoors in air currents that will ensure dispersion to prevent exposure to people and livestock. LP-gas must be kept far enough from open flame or other source if ignition to prevent fire or explosion! LP-Gas is heavier than air and will not disperse or evaporate rapidly if released in still air!**

**Installation:**

1. Apply a pipe joint compound suitable for LP-Gas (such as PTFE tape) to the male thread container connection.
2. Install 3/4" fill tube into 3/4" FNPT fill connection on the inside of the multivalve (not furnished). This pipe should not be longer than the fixed liquid level tube.
3. The fixed liquid level tube comes in one size; it will have to be cut to proper length.
4. Apply a light coat of loctite 271 (red) on to the threads of the fixed liquid level tube, install the fixed liquid level tube into the 10-32 opening in valve; tighten until snug.
5. Before connecting to container, inspect the connection for foreign material. If any is found, remove it.
6. Insert the valve into the container and turn clockwise until it is hand tight.
7. With a suitable wrench, turn two to three wrenching turns beyond hand tight to create a seal.
8. Insert the POL adapter fitting into the female POL connection of the valve. Tighten counterclockwise until snug.
9. Follow all local and national codes and standards for pressure testing and leak checking the installation.

**Operation:** The G8475R Multivalve® is designed for filling and vapor withdrawal, fixed liquid level gauge, port for float gauge; it incorporates a vapor equalization valve, and a pressure relief valve all in one unit.

Follow your company's established procedures.

1. Wear eye protection.
2. Wear suitable gloves to prevent freeze burns.
3. Ensure all threads engage smoothly and easily. Do not hammer or force the valve.
4. When opening the valve, turn the hand-wheel counterclockwise, and ensure that it is opened fully (back-seat). Do not partially open the valve. Observe the valve connections. There should be no leak. If a leak develops, close the valve and correct the problem.
5. After the withdrawal process is complete, move the valve to the fully closed position.
6. To close the valve, turn the hand-wheel clockwise until it stops. This indicates that the seat disc has contacted the seat.

**This valve is equipped with a vapor shut-off valve**

1. When opening the valve, turn the hand-wheel counterclockwise; ensure that it is fully opened (back seat). Do not partially open the valve. Observe the valve connections, there be no leak. If a leak develops, close the valve and correct the problem.
2. After the withdrawal process is complete, move the valve to the fully closed position.
3. To close the valve, turn the hand-wheel clockwise until it stops, this indicates the seat disc has contacted the seat.

**This valve is equipped with a vapor equalizing valve with an excess flow valve.**

1. Remove the protective cap from the valve, before making the ACME connection, endure the internal gasket is in place and inspect all connections for foreign material. If any is found remove it.
2. While connecting make sure the ACME connection spins easily on the valve threads, do not hammer for force the connector. Hand tighten the hose adapter on the vapor equalizing valve, this will open the internal check.
3. When starting the equalization process observe the valve connection. There should be no leak. If a leak develops, close the vapor hose end valve and correct the problem.

4. After the equalization process is complete, slowly uncouple the hose adapter from the double check vapor equalizing valve. Ensure the pressure is relieved at the connection prior to uncoupling completely. Pressure may be bled slowly by turning the ACME adapter connection ½ to ¾ turns counterclockwise.
5. Replace the protective cap.

**This valve is equipped with a fixed liquid level gauge**

1. The vent valve may be opened to allow controlled venting of the product during filling as an indication to the operator that the container has reached its maximum liquid level.
2. Slowly open the vent valve counterclockwise until venting is heard. The valve should open smoothly, do not hammer or force the threads.
3. Leave the valve open; when liquid appears through the valve outlet stop filling the container and close the valve by turning clockwise, hand tighten.

**This valve is equipped filler valve**

1. Remove the protective cap from the ACME connection. Before connecting to the filler valve ensure the internal gasket is in place and inspect all connections for foreign material. If any is found, remove it.
2. While connecting, make sure the ACME connection spins easily on to the valve threads; do not hammer for force the connector. Hand tighten with hose coupling in the double-check filler valve.
3. When starting the filling process, observe the connector filler valve connection. There should be no leak. If a leak develops close the hose end valve and correct the problem.

**Maintenance and Inspection:**

Periodically check for:

1. Any signs of corrosion due to water, salt, industrial pollutants, chemicals, and roadway contaminants.
2. Any physical damage which would prevent proper sealing and usage or that may cause product failure under pressure.
3. Leaks in the valve bonnet area, body, and end connections of the valve.

Keep all equipment clean, and replace damaged equipment immediately.

**Hazards:**

- The withdrawal valve is designed to stop flow in either direction. The stem packing can only be isolated when being used as a container shut-off valve.
- The filler valve is designed to stop flow in one direction only (out of the container).
- When uncoupling an ACME connection, ensure all pressure is bled prior to uncoupling. If pressure will not relieve, it may indicate that a shut-off valve is working improperly.
- This valve is equipped with an integral pressure relief valve. Ensure this valve is used in a well ventilated area. Refer to the Warnings 8545-500, and information in the L-500 catalog in section D.

**General Warning:**

All ECII products are mechanical devices that will eventually become in operative due to wear, contaminants, corrosion, and aging components. Periodic inspection and maintenance are essential. The safe useful life of this product can vary greatly depending on the environment it is exposed to, and the inspection/maintenance program that is used. For more information refer to RegO Products L-500 catalog or [www.regoproducts.com](http://www.regoproducts.com).

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