

ECII/RegO Products

Operating Instructions for A8017DP, DH, DLP A8020D Multipurpose Valves for Liquid Withdrawal of LP-Gas from Containers

Suitable for use on LP-Gas & Anhydrous Ammonia

Maximum Allowable Pressure 27 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! NH₃ 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 threads of the valve.
2. Before connecting to a container inspect all taper connections for foreign material. If any is found, remove it.
3. Insert the valve into the container. Hand tighten.
4. With a suitable wrench, turn two to three wrenching turns beyond hand tight to create a seal.
5. Insert the male hose fittings or pipe into the female connections of the 8017 valve. Turn until it is hand tight.
6. With a suitable wrench turn two to three wrenching turns beyond hand tight to create a seal.
7. Follow all local and national codes and standards for pressure testing and leak checking the installation.

Operation: The A8017 & A8020 valves are designed especially for use as a high capacity liquid withdrawal valve on LP-Gas and anhydrous ammonia containers.

1. Follow your company's established withdrawal procedures.
2. Wear eye protection.
3. Wear suitable gloves to prevent freeze burns.
4. Ensure all threads engage smoothly and easily. Do not hammer or force the valve.
5. 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.

6. After the withdrawal process is complete, move the valve to the fully closed position.
7. To close the valve, turn the hand-wheel clockwise until it stops. This indicates that the seat disc has contacted the seat.
8. Ensure all pressure is bled prior to uncoupling valve connections.
9. When installed into a liquid piping system where liquid could be trapped between this valve and another shut-off valve, a suitable hydrostatic relief valve must be installed between them.

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:

- These valves are designed to stop flow in either direction. The stem packing can only be isolated when being used as a container shut-off valve.
- If the valve must be uncoupled, ensure all pressure is bled prior to uncoupling.
- This valve is equipped with an integral excess flow valve. When in use, the valve must be completely open in order for the excess flow feature to function properly.

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.

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