

## ECII/RegO Products

Operating Instructions For 3174C, 6584C, 3194C

Single-Check Filler Valve for Storage Tanks with Supplementary  
Back-Check Valves

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:**

*This single-check filler valve must never be installed directly into container couplings. It must be used with the appropriate back-check valve to comply with all national and local codes.*

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 back-check valve, check all taper connections for foreign material. If any is found, remove it.
3. Insert the male fitting of the valve into the female connection of the back-check valve. Turn clockwise until it is hand tight.
4. With a suitable wrench turn two to three wrenching turns beyond hand tight to create a seal.
5. Follow all local and national codes and standards for pressure testing and leak checking the installation.

**Operation:** The RegO Products single-check filler valves are designed for use with RegO Back-Check Valves to provide fast filling of bulk storage tanks. Also may be used as a spare or replacement part.

1. Follow your company's established filling procedures.
2. Wear eye protection.
3. Wear suitable gloves to prevent freeze burns.

4. Remove filler valve seal cap. Before connecting to a filler valve, ensure the internal gasket is in place and inspect all connections for foreign material. If any is found, remove it.
5. While connecting make sure the ACME connection spins easily on to the filler valve threads, do not hammer or force the connector. Hand tighten the hose coupling onto the single-check filler valve.
6. When starting the filling process, observe the fill adapter and valve connection. There should be no leak. If a leak develops close the hose end shutoff valve and correct the problem.
7. After the filling process is complete, slowly uncouple the hose coupling from the single-check filler valve. Ensure hose pressure is relieved filling connection prior to uncoupling.
8. Install filler valve cap.

## **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.

Keep all equipment clean, and replace damaged equipment immediately.

## **Hazards:**

- These valves are designed to stop flow in one direction only (out of the LP Gas storage container); they will not contain the product when pressure is into the valve. Do not install backwards; do not use as a valve for shut-off in two-direction flow.
- When disconnecting from a filler valve, if the venting of gas does not stop, foreign material may be preventing the filler valve or hose end shut-off valve from closing completely. Do not disconnect from a filler valve before venting is complete.
- ACME connections can wear over time and may prevent a secure connection. Inspect the threads and replace valves that have worn or damaged threads.

## **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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