

## ECII/RegO Products

Operating Instructions for A8013D, DA, DB, DC, 2723C

Excess Flow Valves for Liquid or Vapor Line Service

Suitable for Use on LP-Gas & Anhydrous Ammonia

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. Refer to RegO Products Serviceman's Handbook (L-545), L-500, or L-102 Catalogs for sizing and selection information.
2. Apply a pipe joint compound suitable for LP-Gas (such as PTFE tape) to the male threads of the fitting or piping.
3. Before connecting to a pipe or container, inspect all taper connections for foreign material. If any is found, remove it.
4. Insert the male pipe fittings into the female connections of the RegO Products excess flow valve. Turn until it is hand tight. Install so the arrow on the valve body is pointing away from the container or dispensing system.
5. With a suitable wrench turn two to three wrenching turns beyond hand tight to create a seal.
6. Follow all local and national codes and standards for pressure testing and leak checking the installation.

**Operation:** The RegO Products excess flow valves are designed for container top, and bottom installation, or in any position in liquid or vapor service lines. They may also be used for long lines or branch piping where tank mounted excess flow valves cannot suffice.

1. Follow your company's established filling procedures.
2. Wear eye protection.
3. Wear suitable gloves to prevent freeze burns.
4. When the system is under pressure, observe the valve connections for leaks. If there are any leaks, close all line valves and correct the problem.

5. If the flow through the excess flow valve exceeds its rated closing flow, the excess flow valve will shut off flow. Once the downstream pressure is restored, the excess flow valve will reset itself and does not require any re-installation.
6. If the excess flow valve ever needs to be uncoupled from the system, ensure all pressure is bled prior to uncoupling.

### **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 end connections of the valve.
4. Correct operation, as performance may be affected by the presence of foreign matter.

Keep all equipment clean, and replace damaged equipment immediately.

### **Hazards:**

- These valves are designed to stop flow out of the container if there is a sudden drop in pressure down-stream. Excess flow valves are not to be used as shut-off valves at the end of a line.
- The closing flow may not be reached if the upstream pressure is insufficient, the break or damage downstream is small, or there is a restriction in the line.
- Never uncouple the valve connections until all pressure is bled from the lines.

### **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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