

ECII/RegO Products

Operating Instructions For A3500L4, N4, A3500P4, A3500R6, T6, V6, A4500Y8

Excess Flow Valves for Flange Mounting in Container 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! 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. Refer to RegO Products Serviceman's Handbook (L-545), L-500, or L-102 Catalogs for sizing and selection information.
2. It is not necessary to apply a pipe joint compound suitable for LP-Gas (such as PTFE tape) to the male threads of the valve. The use of a lubricant such as oil on the male NPT threads is suggested.
3. Before connecting to a container, inspect all taper connections for foreign material. If any is found, remove it.
4. Insert the valve into the container and turn clockwise. Turn until it is hand tight. Install so the arrow on the valve body is pointing away from the container.
5. With a suitable wrench turn clockwise until tight.
6. Follow all local and national codes and standards for pressure testing and leak checking the installation.

Operation: The A3500/A4500 valves are designed for mounting in flanged tank connections with internal threads in the bottom of a container. They may be used in filling, withdrawal, or vapor equalizing applications.

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 A3500/A4500 valve will shut off flow. Once the downstream pressure is restored, the A3500/A4500 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.

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