

## ECII/RegO Products

Operating Instructions For 3146, 3146S, A3146, 3176, A3176,  
A3186, A3196, A3276BC, A3187S

Back Pressure Valves for Container or Line Applications

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 threads of the valve.
2. Before connecting to a line or container inlet, check all connections for foreign material. If any is found, remove it.
3. Install so arrow on valve body is pointing toward the container. Insert pipe fittings into the valve and turn until they are hand tight.
4. With a suitable wrench, turn at least two to three wrenching turns beyond hand tight.
5. Apply pressure to the system piping and valve assembly and check for leaks with a suitable leak detector solution.

**Operation:** All RegO Products back-pressure valves are designed to allow flow in one direction only. When used with the appropriate single-check filler valve, the combination forms a double check filler valve suitable for use in filling of bulk storage tanks.

1. Once installed, the RegO Products back-pressure valve requires no adjustment for proper operation.
2. Observe all connections for leaks. If any are found, close all valves 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.

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 applied back through the valve. Do not install backwards; do not use as a valve for shut-off in two-direction flow.

## 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).

RegO GmbH  
Industriestrasse 9  
D- 35075 Gladenbach Germany  
Tel- 49-6462-9147-10  
Fax- 49-6462-9147-29  
[E-mail.info@rego-europe.de](mailto:info@rego-europe.de)

100 RegO Drive PO Box 247 Elon, NC 27244 USA Phone (336) 449-7707 Fax (336) 449-6594 [www.regoproducts.com](http://www.regoproducts.com)

**REGO** PRODUCTS **REGO** GmbH

[www.rego-europe.de](http://www.rego-europe.de) Fax 49-6462-9147-29 Phone 49-6462-9147-10 Industriestrasse 9 D-35075 Gladenbach GERMANY