

ECII/RegO Products

Operating Instructions For A3400 Series

Back Pressure Check Valves for Flanged Installation

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. 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 oil as a lubricant applied to the male NPT threads is suggested.
2. Before connecting to a container, check all connections for foreign material. If any is found, remove it.
3. Install so arrow on valve body is pointing down-stream. Insert the valve into the container and turn until hand tight.
4. With a suitable wrench, turn clockwise until tight.
5. Install the outlet connection (valve, fitting, etc) to the container.

Operation: The A3400 series back-pressure valves are designed to provide high flow capacity and allow more efficient tank filling than conventional designs. The valve is designed for installation in internally threaded flanges in container bottoms.

1. Once installed, the A3400 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 inoperative 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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