

ECII/RegO Products  
Operating Instructions for A7794, A7796  
Sight Flow Indicators for Bulk Plants  
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. Apply a pipe joint compound suitable for LP-Gas (such as PTFE tape) to the male threads of the piping.
2. Before connecting to a pipe, check all connections for foreign material. If any is found, remove it.
3. Install with the internal check on opposite side of container connection (s) so liquid can flow into the container but not out. Insert the pipe fittings into the indicator and turn until hand tight.
4. With a suitable wrench, turn at least two to three wrenching turns beyond hand tight.
5. Apply pressure to the assembly and check for leaks with a suitable leak detector solution.

**Operation:** The 7794 & 96 sight indicators are designed to promote maximum pump efficiency. These indicators enable bulk plant operators to visually inspect liquid flow conditions.

1. Once installed, the 7794 & 96 indicators require 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 will stop flow in one direction only (in reverse-flow situations). Do not install backwards; do not use in a system that requires two-direction flow.
- Do not use the 7794 & 96 indicators as the primary back-check valve in a system.

## **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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