

(Approved 1/10/02 DJS)

ECII/RegO Products

Operating Instructions For CD31, 32, 35, 36, 45

Check Device for Relief Valve 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! 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!

Note: There is no reduction in the marked flow capacity on any of the RegO Products RS Series relief valves when installed on a RegO Products CD Series Check device.

Installation:

1. Apply a pipe joint compound suitable for LP-Gas (such as PTFE tape) to the male threads of the check device.
2. Before connecting to a container, check all connections for foreign material. If any is found, remove it.
3. Insure relief valve bonded seal is in place on the RS type relief valve, then insert RS type relief valve into the check device and turn until hand tight.
4. With a suitable wrench, tighten until snug.
5. Install the CD check device with the RS relief valve attached into the container coupling hand tight.
6. With a suitable wrench, turn the check device into the container least two to three wrenching turns beyond hand tight.
7. Apply pressure to the check device and relief valve assembly and check for leaks with a suitable leak detector solution.

Operation: The CD31, 32, 35, 36, 45 check device valves are designed specifically for use with RS3131, RS3132, RS3135, RS3136, and RS3145 series relief valves. They permit removal of the pressure relief valve for servicing or replacement without evacuating the container.

1. Once installed, the CD check device requires no adjustment for proper operation.

2. Observe all connections for leaks. If any are found, close all valves and correct the problem.
3. Use a suitable wrench on both the check device and pressure relief valve when attempting to remove the relief valve from the check device.
4. When removing the RS3136 and RS 3145 from the CD36 or CD45 check device, the tell tale hole on the relief valve body is visible with two turns of threads showing and product flow still venting through the hole. It will be necessary to take it another turn in order to have the check device start to close. **If the flow does not audibly reduce do not remove the valve from the check device, report the problem to your supervisor.**
5. When removing the RS3131,RS3132, RS3135 from the CE31,CD32, or CD35 check device, audible flow should be reduced as soon as the tell tale hole appears above the check device. **If the flow does not audibly reduce do not remove the valve from the check device, report the problem to your supervisor.**
6. **Never leave a check device with out a relief valve on any container holding LP-Gas.**

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 when relief valve is removed); 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.