



August 2020

RegO® Field Topics

Regulator Vents - Canada

Field Topics are intended to provide useful information to the network of authorized LP-Gas and Anhydrous Ammonia distributors regarding the proper use of RegO® products. **Warning Bulletins** covering many of the hazards involved are available from RegO for more detailed information. These bulletins can be found in our **L-500, L-102 and NH3-102** catalogs. Neither the Field Topic or the Warning Bulletins are intended to conflict with federal, state, or local ordinances and/or regulations, which should be observed at all times. This information also is not intended to be a substitute for or to supplement any training in the safe handling and use of propane and related equipment, as required by any applicable law. By providing this material, ECI assumes no responsibility for providing any such training. Only individuals properly trained in the safe handling and use of propane and related equipment should be permitted to do so, and by providing this information, ECI does not assume responsibility for providing such training.

For more information on LP Gas system requirements, refer to Liquefied Petroleum Gas Code (NFPA 58), National Fuel Gas Code (NFPA 54), National Propane Gas Association Safety Handbook, the RegO LP-Gas Serviceman's Manual L-545, RegO catalogs L-500/L-102/NH3-102, ANSI K61.1 Safety Requirements for Storage and Handling of Anhydrous Ammonia, as well as any applicable local codes and ordinances.

Regulator Vents

Regulator vents must always be clear and fully open. If properly installed in accordance with CSA B149, RegO regulators that are equipped with a pressure relief valve will discharge to the atmosphere through the vent, when overpressure conditions exist. Ice, snow drifts, dirt, bugs, paint, or other foreign materials can clog regulator vents. An obstructed vent may prevent the pressure relief valve from properly operating. Regulators should be installed with the vent facing down or protected so that their operation will not be affected by such elements.

Screened vents must be checked to verify that the screen is in place at all times. If a vent is clogged or missing, we recommend that you clean the vent and/or replace the screen. Should there be evidence of foreign material inside the vent, the regulator should be replaced.

For applications where the regulator employs a vent discharge pipe/tube, check that it is installed with the outlet facing down and protected with a RegO vent screen.

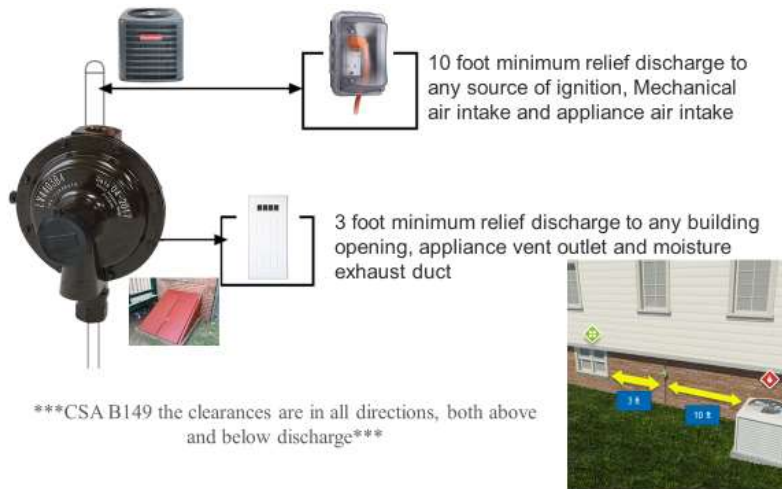


What are the acceptable material per CSA B149.1?

The use of steel pipe, seamless steel tubing or copper tubing or corrugated stainless steel tubing. PVC conduit is not approved for use in gas piping and regulator venting.

. In compliance with CSA B149.1, regulator vent lines shall be made of steel pipe, seamless steel tubing or copper tubing or corrugated stainless steel tubing. PVC conduit is not approved for use in gas piping or regulator venting in Canada.

How far should a regulator be vented?



What is the minimum vent diameter?

The vent diameter must be equal or greater than the diameter of the regulator vent outlet. For the LV4403 & LV5503 series regulator this would be equal to 3/4” FNPT. For our LV3403 series the vent diameter would be equal to 3/8” FNPT.

How do I properly secure a RegO vent screen?

The LV960-8R1 vent terminations are available and easily secure the vent screen in place.





Necessary steps for venting:

1. The regulator must be installed with the vent facing down or under cover. Do not remove the bonnet from the regulator for proper placement. Regulators can be ordered in various vent orientations.
2. When removing the vent screen from the regulator vent opening; reinstall at the end of the vent termination.
3. The regulator vent termination must be installed at least 12-18 inches above the ground. In some applications this distance may exceed 6 feet to exceed snow accumulation.

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