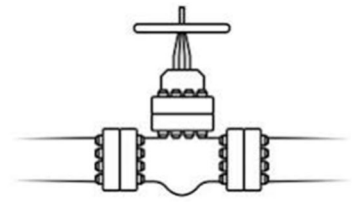


THE RNG PIPELINE-



COMMUNITY & INDUSTRY NEWS

A Monthly Newsletter Made Possible by: Raton Natural Gas

JUNE 2023

The Importance of Carbon Monoxide Detectors: Protecting Us from a potential Invisible Threat –

In a previous issue we outlined the dangers of carbon monoxide. Carbon Monoxide is an odorless, colorless, and tasteless gas that is produced by the incomplete combustion of fuels such as natural gas, propane, gasoline, and wood. Each year, thousands of people suffer from carbon monoxide poisoning, and tragically, many lose their lives. That's why having carbon monoxide detectors in your home or workplace is crucial. In this article, we will explore the use case for carbon monoxide detectors and how they work to protect us from this invisible threat.



Why Do You Need a Carbon Monoxide Detector?

Carbon monoxide is dangerous because it can quickly build up in enclosed spaces, displacing oxygen and preventing the body from receiving the oxygen it needs to function properly. The symptoms of carbon monoxide poisoning can be subtle and often mistaken for other illnesses, such as the flu or fatigue. Common symptoms include headaches, dizziness, nausea, confusion, and shortness of breath. Prolonged exposure to high levels of carbon monoxide can be life-threatening and can lead to loss of consciousness and death.

Carbon monoxide detectors are designed to detect the presence of this deadly gas and emit a loud alarm to alert occupants of the danger. By installing carbon monoxide detectors in your home or workplace, you can provide an early warning system that can save lives.

How Do Carbon Monoxide Detectors Work?

Carbon monoxide detectors operate based on two primary detection methods: biomimetic sensors and electrochemical sensors.

Biomimetic Sensors: Biomimetic sensors contain a gel-like substance that changes color when exposed to carbon monoxide. This color change triggers an alarm to indicate the presence of the gas. Biomimetic sensors are cost-effective and offer reliable detection of carbon monoxide.

Electrochemical Sensors: Electrochemical sensors use electrodes immersed in a chemical solution. When carbon monoxide is present, it reacts with the electrodes, producing an electrical current that triggers the alarm. Electrochemical sensors are highly accurate and sensitive to low levels of carbon monoxide.

Both types of sensors are effective in detecting carbon monoxide, but electrochemical sensors are generally considered more accurate and reliable.

Where Should You Install Carbon Monoxide Detectors?

It is essential to install carbon monoxide detectors in key locations within your home or workplace. Here are some guidelines to follow:

Bedrooms: Install a carbon monoxide detector near each sleeping area to ensure that occupants are alerted to any danger, especially when they are asleep.

Living Areas: Place detectors in living rooms, family rooms, and common areas where people spend a significant amount of time.

Continued on Reverse.....

CARBON MONOXIDE DETECTORS: *Continued...*
Kitchen: While carbon monoxide detectors are not typically required in kitchens, it is still important to have one nearby, especially if you have gas stoves or ovens.

Garage: If your garage is attached to your home, consider installing a carbon monoxide detector in this area. Exhaust fumes from vehicles can enter the living space and pose a carbon monoxide risk.

Basement: If your home has a basement, it is crucial to have a carbon monoxide detector installed there as well. Fuel-burning appliances, such as furnaces and water heaters, are often located in basements, making them potential sources of carbon monoxide.

Remember to follow the manufacturer's guidelines for

installation and maintenance of your carbon monoxide detectors.

Maintenance and Safety Tips for Carbon Monoxide Detectors

To ensure the proper functioning of your carbon monoxide detectors, consider the following maintenance and safety tips:

- **Regular Testing:** Test your carbon monoxide detectors monthly to ensure they are functioning correctly. Most detectors have a test button that can be pressed to sound the alarm.
- **Battery Replacement:** Replace the batteries

Community Calendar

From: KRTNRADIO.com

June 2023

Raton Summer Carnival,
June 24 @3:00 p.m.—11:00 p.m.
June 25 @3:00 p.m.—9:00 p.m.

July 2023

International Santa Fe Trail Balloon Rally,
July 1st
July 2nd
July 3rd
4th of July Celebration—Fun on Historic
1st Street in Raton
July 4 @12:00 p.m.—6:00 p.m.

IF YOU SMELL GAS...



Did you know that while natural gas is safe to use in your home, a **gas leak could be dangerous?**

The RNG natural gas is odorized. RNG delivers odorized natural gas in pipelines ranging in size from 1" to 6". You can recognize a natural gas leak in several ways, including an unusual hissing noise, blowing dirt for no apparent reason, an unusual dry spot in the ground or dead vegetation for no apparent reason, bubbling water, and frozen ground in warm weather.

If you ever smell natural gas inside or outside your home, leave the area immediately! Then from a safe distance, call 911 and then call Raton Natural Gas Company at 575.447.0088. *RNG is available 24 hours a day every day of the year at 575.447.0088. We'll investigate and let you know when it's safe to return.*



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