

Gascheka Zone 3™

INNOVATIVE RISK REDUCTION

Gascheka Zone 3™ is a gas detection and control solution for all types of equipment used where the area is not formally classified.

It's an enhanced safety system specifically designed for use on mobile equipment which operates within non-classified areas.



Gascheka Zone 3™

FEATURES AND BENEFITS

✓ The system provides audible and visual warning when it detects a gas or vapour (at 10% Lower Explosive Limit (LEL) propane in air) and at 25% LEL it shuts down the protected equipment automatically, minimising the risk of an explosion.

✓ The system auto-calibrates and self-tests the gas head at start up to ensure it is working correctly.

"IT IS CRITICAL THAT THE GAS SENSING HEAD IS SELECTED ACCORDING TO THE MATERIALS BEING HANDLED. THE WRONG CHOICE WILL MEAN THE EQUIPMENT MAY BE BLIND TO THE PRESENCE OF A FLAMMABLE ATMOSPHERE, PUTTING THE OPERATOR AND SURROUNDING ENVIRONMENT AT RISK."

HOW IT'S USED

INFRARED AND PELLISTOR SENSING OPTIONS

Choose either infrared or pellistor gas sensing to suit the application. Both options have their advantages and limitations and should be specified according to the risk and application.

Pellistor option

Our traditional pellistor system detects more than 95% of hydrocarbons and is therefore the most versatile system for users in the chemicals and paints/coating industries and when handling a comprehensive range of products. However, pellistor based systems are not suitable if silicones are present in the environment.

Infrared option

Infrared technology is particularly suited to operations with specific hazards. For example, it suits distilleries, aerosol operations and the oil and gas sector. The Pyroban Infrared system offers faster start-up and lower lifetime costs.



APPLICATIONS

Gascheka Zone 3, the cost effective safety solution for areas not formally classified

Gascheka Zone 3 offers workers and sites added safety when used in the chemical, pharmaceutical, paints, coatings, defence, refineries and logistics sectors, outside of formally classified 'zoned' areas. Now available with either infrared or pellistor based gas/vapour sensing to suit all applications and supplied as a kit for local installation.

ABOUT PYROBAN

Pyroban provide explosion protection solutions for materials handling equipment and diesel engines.

For over 50 years we have been at the forefront of the industry developing products to protect your people, your site and equipment when operating in hazardous & added safety areas.

QUALITY

Additional to the ISO9001:2015 quality standard certification, each Pyroban Group company attains the required level of 3rd party certification for the business markets it serves including ATEX, IECEx, GB and NEC.