

Unisafe II propane detection equipment



Example of a Unisafe propane application

When propane is used as the refrigerant in a refrigeration installation, it is both flammable and explosive, and thus a major source of risk. It is therefore important to detect and register any propane leakages as soon as they occur, and to provide the appropriate warning in the most reliable, efficient way.

Early discovery of a propane leakage can make a crucial difference. It may only begin on a small scale, such as a crack in a pipe or a worn shaft seal. However, such minor leakages can develop into dangerous, major events that result in costly breakdowns and disruption of operations.

Special Sabroe Unisafe II propane detection equipment makes it possible to detect even small leakages so that the appropriate action and remedial measures can be taken at an early stage.

Unisafe II propane detection equipment can be installed as stand-alone units, connected to a Sabroe monitoring unit, or to any other appropriate control and surveillance system.

Significant advantages

- The Sabroe product range is extremely comprehensive and is backed by the requisite know-how and experience.
- Available in a wide range of preset configurations and easy to adjust to specific plant requirements and to individual detection profile requirements.
- Basic product design for reliable function and easy maintenance.
- Early detection of any leakage provides an alarm long before any risk of explosion arises.

Customer benefits

- • Best product and best price/performance is available for every situation.
- • Low installation and commissioning costs.
- • Long service life, low maintenance cost and easy troubleshooting.
- • Reduced risk of damage to material assets and property. Improved safety.



Thinking in systems

The benefits and savings that can be achieved with gas detection equipment in general depend on the supplier's ability to recommend suitable equipment in every situation, to recommend how to install the equipment, to deal with installation and commissioning and to undertake the increasingly mandatory annual checks (and if necessary re-calibration) of the gas detection system.

The benefits available from installing Sabroe propane detection equipment are therefore multiplied by Sabroe's unique know-how in this specialist field.

Mandatory requirements

In many countries, it is already mandatory to check and undertake maintenance on gas detection systems on at least an annual basis. Sabroe propane detection equipment makes it quicker, easier and cheaper to carry out all the necessary checks, and the results are more reliable and more easily documented.

Technical information

Sabroe Unisafe II propane detection equipment consists of a range of detectors and monitoring units. These in turn employ a range of different sensor technologies, including

- semi-conductive/chemosorption
- electrochemical
- catalytic
- infrared absorption.

Because propane is both flammable and explosive, Unisafe II propane detection units are often specified for use in ATEX-classified environments. Specific Unisafe II units are available for areas with all different ATEX classifications.



*ATEX-approved detector
for combustible and
flammable gases*

All information is subject to change without previous notice.