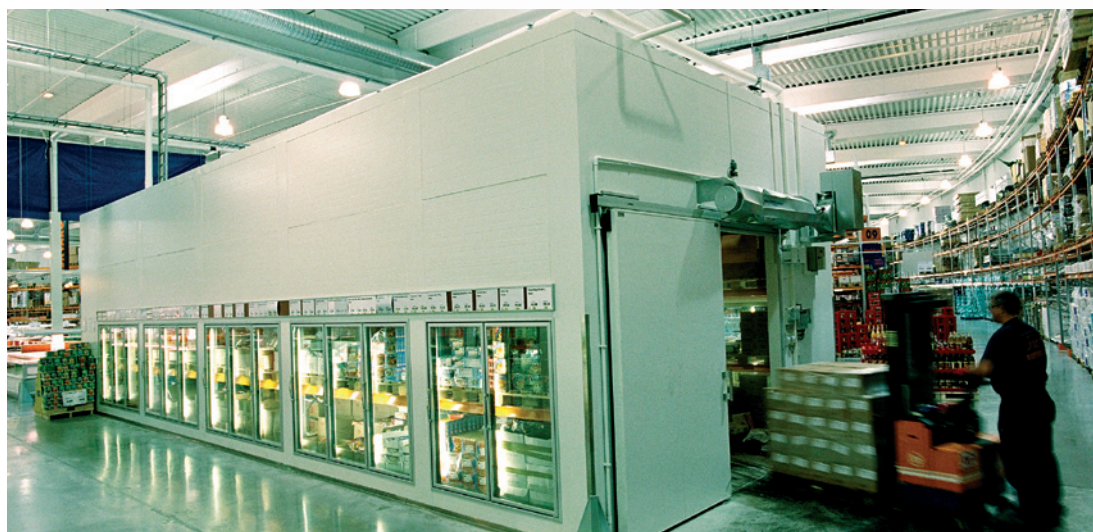


Unisafe II HFC/HCFC detection equipment



Example of a Unisafe HFC/HCFC application

Hydrofluorocarbon (HFC/HCFC) refrigerants are used throughout industry, in many different variants with different specific properties.

All HFC/HCFC refrigerants are heavier than air. This means that if any leak occurs, the refrigerant displaces the air in any given space and thus causes a potentially lethal shortage of oxygen in the room.

Although not toxic as such (with the exception of R123a), HFC/HCFC refrigerants have a negative effect on the environment on account of their impact on the ozone layer and contribution to the greenhouse effect.

It is therefore important to detect and register any HFC/HCFC leakages as soon as they occur, and to provide the appropriate warning in the most reliable, efficient way.

Early discovery of an HFC/HCFC 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.

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 major alteration in temperature.

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.
- • Avoids any risk of spoiled goods and need for new refrigerant charge, thus saving money.



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 HFC/HCFC 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 HFC/HCFC 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

Special Sabroe Unisafe II HFC/HCFC 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.

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

- semi-conductive/chemosorption
- infrared absorption.

Sabroe provides HFC/HCFC detection equipment that covers the whole spectrum of requirements. It can be installed as stand-alone units, connected to a Sabroe monitoring unit, or to any other appropriate control and surveillance system.



*Stand-alone detector
for tough environment*

All information is subject to change without previous notice.