

Health and safety at work deserves professional expertise



geopal SYSTEM A/S

PROFESSIONAL DETECTION OF GASES AND VAPOURS

STOP leakage of hazardous

Since 1985, **Geopal System A/S** has produced and serviced alarm systems for professional detection of toxic gases, vapours and fumes. Our wide product range is focused on efficient protection of the work environment in all industrial enterprises, large or small.



■ Geopal heavy-duty detectors are designed to be applied in almost any industrial environment and can be fitted with various sensors according to what specific gases or vapours need to be detected. GJ-EX has been approved for EX-classified areas, zone 1, 03ATEX 130741X.

Explosive gases

Working with combustible gases and liquids involves a risk of explosive vapours. Our central gas alarm unit monitors the air continuously and will set off an alarm before an explosive mixture of gases forms and an accident occurs.

The central alarm unit is available with an analogue output signal, indicating the current level and controlling ventilation and CTS.



■ The Rack system GJ-03R is a gas alarm unit developed for major industrial projects, where high flexibility is a priority. This system can be expanded from 1 to 69 detectors. Rack systems featuring 3 to 30 detectors are available with a fieldbus system, such as InterBus, CANopen, DeviceNet, PROFIBUS or Ethernet.



Harmful gases and vapours

At many enterprises and in research environments various solvents are used, which by way of evaporation or chemical reaction may develop harmful gases and vapours. These gases are immediately detected by the Geopal System – and the risk of damage to your health is reduced to a minimum.

s gases before it's too late

Oxygen and carbon dioxide

Even a minor decrease of oxygen in the air may be harmful to your health. A decrease might occur due to faulty technical installations, such as leakage in nitrogen systems. Geopal offers an efficient way of anticipating any problems, also regarding the less dangerous carbon dioxide.



■ Readings and warning signals are clearly displayed on our small wall-mounted alarm units. Multiple sensor points are optional. A simple, affordable and reliable solution.



Carbon monoxide and other toxic gases

Carbon monoxide is a highly toxic gas that may form in underground car parks, tunnels, garages, places where internal-combustion engines are used. Heavy traffic tends to generate a toxic atmosphere, which requires activation of a ventilating system. This activation is triggered by your Geopal alarm unit, so that the education takes place only when the gas density is hazardous.



■ Detector unit designed for use in EX-classified areas.



Environmental aspects concerning refrigerating systems

We have considerable experience in safeguarding the environment in connection with refrigerating systems (air conditioning, cold storage and freezing). Potential leakages can be both life-threatening and extremely costly for the environment. Hazardous freon, toxic ammonia and explosive propane will be detected instantly by a Geopal alarm system. Our expertise is your safety.

YOUR QUALITY GUARANTEE



03 ATEX Q133996



DBI reg. Nr. 233.301



ISO9001:2000

Gases

The list below includes only a selection of fairly common gases and vapours.

If you need to detect different gases or vapours, please consult Geopal System A/S.

The refrigerant industry

Ammonia • R-11 • R-12 • R-21 • R-22
• R-113 • R-123 • R-134A • R-404A •
R-407C • R-502 • R-507.

Explosive and toxic gases and vapours

Acetone • Acetylene • Acrylonitrile
• Benzene • Butadiene • Butane
• Butylene • Carbon monoxide
• Decane • Diethylamine •
Dimethylamine • Ethane • Ethanol •
Ethyl acetate • Ethyl chloride • Ethyl
ether • Ethylene • Ethylene chloride •
Ethylene oxide • Ethylidene chloride
• Heptane • Hexane • Hydrogen
• Hydrogen cyanide • Hydrogen
sulphide • Isobutanol • Isobutyl
acetate • Isopropanol • Isopropyl
acetate • Jet fuel • Kerosene •
Methane • Methanol • Methyl acetate
• Methyl bromide • Methyl chloride •
Methyl ether • Methyl ethyl ketone •
Methylene chloride • Monoethylamine
• Monomethylamine • m-Xylene
• n-Butanol • n-Butyl acetate •
Nitromethane • n-Propanol • n-Propyl
acetate • Octane • o-Xylen • Pentane
• Petrol • Petroleum • Petroleum
ether • Petroleum naphtha • Propane
• Propylene • Turpentine • Toluene •
Trichloroethane • Trichloroethylene
• Trimethylamine • Vinyl chloride •
Vinylidene chloride.



Our expertise is your safety



Geopal System A/S designs and produces alarm systems for the detection of gases and vapours, carbon monoxide, oxygen, carbon dioxide etc. in the industrial sector.

All our processes are DS/EN ISO 9001:2000 certified, and we meet all requirements regarding documentation, registration and traceability. Geopal products are noted for their top quality standards. Several products have been ATEX-certified and approved by the Danish Institute of Fire Safety Technology (DBI) as well as DEMKO/UL.

Optimal reliability and stability, along with continuity in our product

programme, are primary objectives for development and production at Geopal. Our long-standing expertise makes us highly competent consultants and trustworthy sparring partners for our clients.

Service and support

Your local Geopal dealer will be pleased to set up a negotiable agreement on proper servicing of the relevant products and installations. We offer various service options: maintenance at prearranged intervals, an advantageous service contract, or invoicing for materials and services rendered.



If you would like to know what we can do for your company, or if you want a specific offer, feel free to give us a call - no commitment – or read more on our website.

Forhandlernavn

Forhandleradresse

Forhandler telefon, fax etc.

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