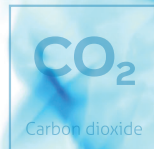
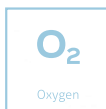
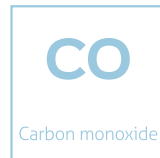
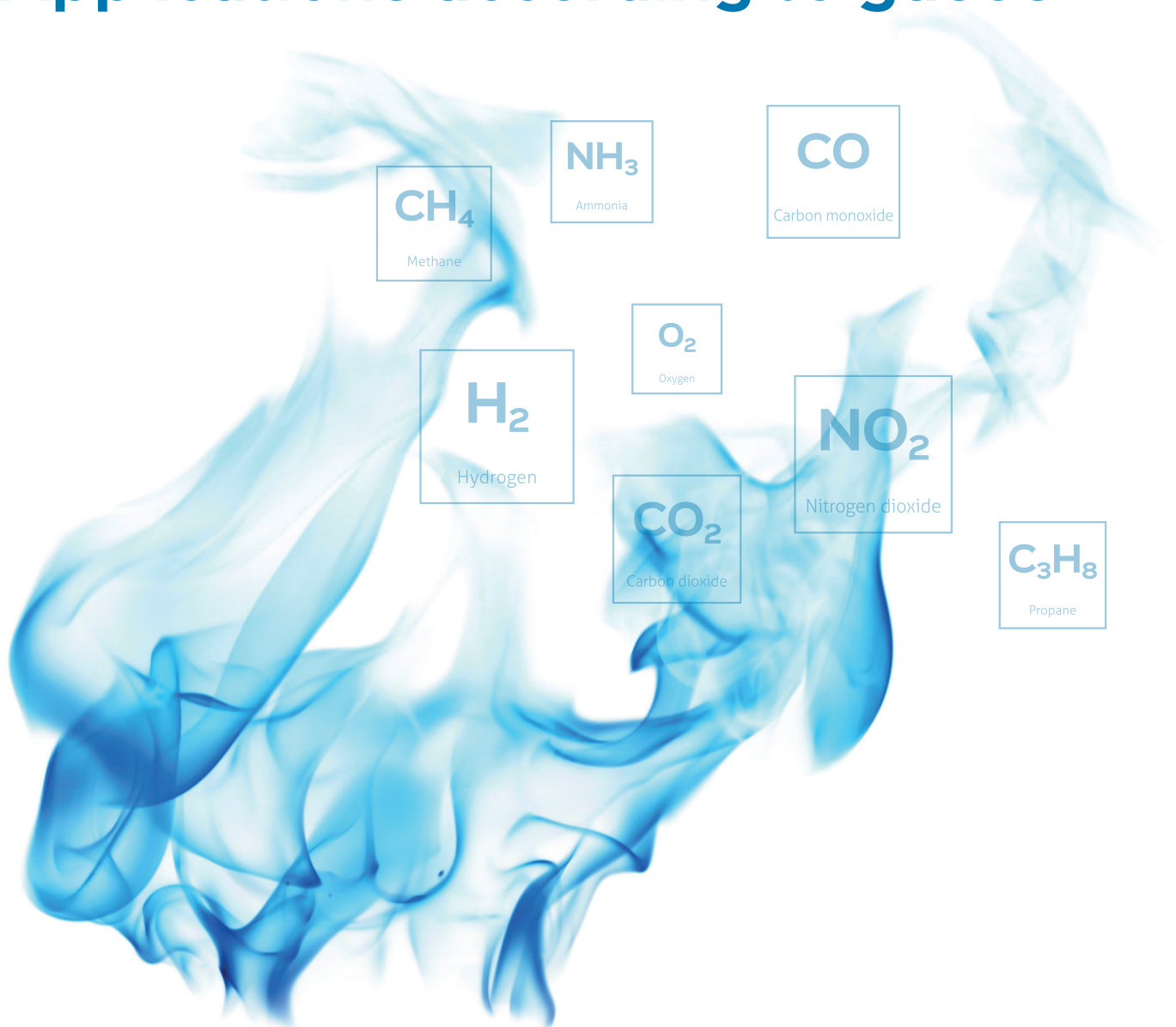


Gas Detection.



Portfolio

Applications according to gases

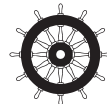


Applications according to gases

Gas		Applications
Carbon monoxide	CO	Garages, buildings
Ammonia	NH ₃	Fertilizer production, agriculture, alternative fuel
Nitrogen monoxide	NO	Nitric acid production
Nitrogen dioxide	NO ₂	Garage, tunnel
Chlorine dioxide	ClO ₂	Paper industry, disinfection, water treatment
Hydrogen fluoride	HF	Battery recycling, battery charging stations
Hydrogen cyanide	HCN	Plastics industry, chemical industry
Formaldehyde	CH ₂ O	Medicine, disinfection
Hydrogen chloride	HCL	Production of hydrochloric acid, chlorides, PVC
Phosphine	PH ₃	Industrial chemistry: fumigants to kill pests in storage rooms
Silane	SiH ₄	Production of semiconductors
Ethylene	C ₂ H ₄	Ripening of fruits, production of plastics
Ozone	O ₃	Water treatment: disinfectants, elimination of odors
Chlorine	Cl ₂	Food industry, water treatment: swimming pools, bleaching agents
Oxygen	O ₂	Oxygen displacement, measurement of inert gas concentrations
Sulfur dioxide	SO ₂	Chemical industry: production of medicines and dyes
Hydrogen sulfide	H ₂ S	Industry: used for sulfur extraction from petroleum, main source of sulfuric acid
Fluorine	F ₂	Laser technology, production of semiconductor
Ethylene oxide	C ₂ H ₄ O	Medicine: production of plastics, disinfection, sterilization
Methane	CH ₄	Biogas: heating gas, cattle breeding, waste disposal site
LPG		Lighter gas, heating gas
Cyclohexane	C ₆ H ₁₂	Chemical industry: solvents, production of synthetic fibers such as nylon
Ethane	C ₂ H ₆	Refrigerant R170, heating gas
Ethyl alcohol	C ₂ H ₅ OH	Chemical industry, food industry: beverage industry, disinfection
Ethyl acetate	C ₄ H ₈ O ₂	Pharmaceutical industry: pharmaceuticals, extraction agents
Benzene	C ₆ H ₆	Synthesis of many compounds
n-Hexane	C ₆ H ₁₄	Solvents, thinners Varnishes, printing inks
Hydrogen	H ₂	Electrical / pharmaceutical industry, ammonia production, steel production
Butyl acetate	C ₆ H ₁₂ O ₂	Paint industry: paint solvents, cosmetics industry
Methanol	CH ₃ OH	Chemical industry, extraction agent in petroleum industry, alternative fuel
Methyl ethylketone	C ₄ H ₈ O	Artificial flavoring agent, solvent for plastics, resins and paints

Gas		Applications
Iso/n-Butane	C_4H_{10}	Basic material for chemical industry
Isobutyl alcohol	$C_4H_{10}O$	Solvent for paints, beverage industry, cosmetics industry
Octane	C_8H_{18}	Chemical industry: cleaning agent, in car and aircraft fuel
Cyclopentane	C_5H_{10}	Chemical industry: foaming of refrigerators, blowing agent
Methyl acetate	$C_3H_6O_2$	Laboratory, pharmaceutical industry, food industry: hard/brittle acrylic paints, solvents
iso/n-Pentane	C_5H_{12}	Chemical industry: solvents for greases and oils
Propane	C_3H_8	Refrigeration industry, welding equipment, LPG, heat pumps
Isopropyl alcohol	C_3H_8O	Laboratory, cleaning agents, defoaming agents, thinners
Propyl alcohol	C_3H_8O	disinfectants, cleaning agents
Acetone	C_3H_6O	Chemical industry: paint removers, degreasers
Toluene	C_7H_8	Chemical industry, pharmaceutical Industry
n-Heptane	C_7H_{16}	Pharmaceutical industry (octane determination)
Butadiene	C_6H_6	Space industry, fuel in hybrid rockets, chemical industry: synthetic rubber
Nonane	C_9H_{20}	Petrochemical industry

Refrigerant gases	Refrigerating machines / Chillers / Commercial refrigeration /
	Industrial refrigeration / Cold stores / Supermarkets /
	Climatic chambers / Automotive industry / Transport refrigeration /
	Heat pumps / Air conditioning / Air conditioning systems /
	Beverage vending machines / Refrigerated vehicles / Ice makers



Gas Detection.



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