

PRESS INFORMATION

Odourisation: Gases with installed safety

The risk: oxygen, nitrogen or natural gas do not smell, but they are potentially dangerous. Because in case of leakages, incorrect use, inappropriate handling of equipment and especially during work carried out in enclosed rooms dangerous, also explosive concentration can form unnoticed – a danger for people, equipment and buildings.

The solution: One odourises these gases for obvious reasons with a substance smelling obnoxious. For this LEWA offers standard and customised odourisation systems for the safe and economic injection of all current odourants (Thioether, Thiol, Acrylate).

The systems developed by LEWA are designed for a flow-proportional odourisation controlled by the gas flow (injection process). The core piece of the systems are precision diaphragm metering pumps with an absolutely tight, hydraulically actuated stainless steel diaphragm. These pumps guarantee an especially economic metering of the odourants. Moreover it is assured that neither gas nor odourant can escape to the atmosphere.

Apart from the national and international laws und regulations the operation data and the operating conditions on site must be considered. Based on this data LEWA designs, manufactures and supplies odourising units worldwide. These units are tailor made to customer specifications and include all mechanical and electronic components required.

To Shell Ireland LEWA has recently supplied one of the biggest odourising system for central odourisation of natural gas with ethyl-mercaptan so far: The OD1000 unit used is equipped with a control cabinet in stainless steel design and a double wall 10 000 l tank. This high-end variant among the odourising systems is equipped with two LDB1 diaphragm pumps.



Odorieranlage.eps

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