Gas Detection.



# PHARMACEUTICAL INDUSTRY

Reliable gas detection of N/Cl<sub>2</sub>/CO/H<sub>2</sub>S/NH<sub>3</sub>/O<sub>2</sub>/CO<sub>2</sub>



# Pharmaceutical Industry

### Safety from $N/Cl_2/CO/H_2S/NH_3/O_2/CO_2$

In the pharmaceutical industry, the research and development of new active ingredients and dosage forms are important. Equally important is pharmaceutical production. In this process, active ingredients are obtained from microorga-

nisms or mammalian cells in large fermenters. Organic substances are created by adding of bacteria, fungi or enzymes. This process includes steps such as grinding, granulating, coating and tableting.

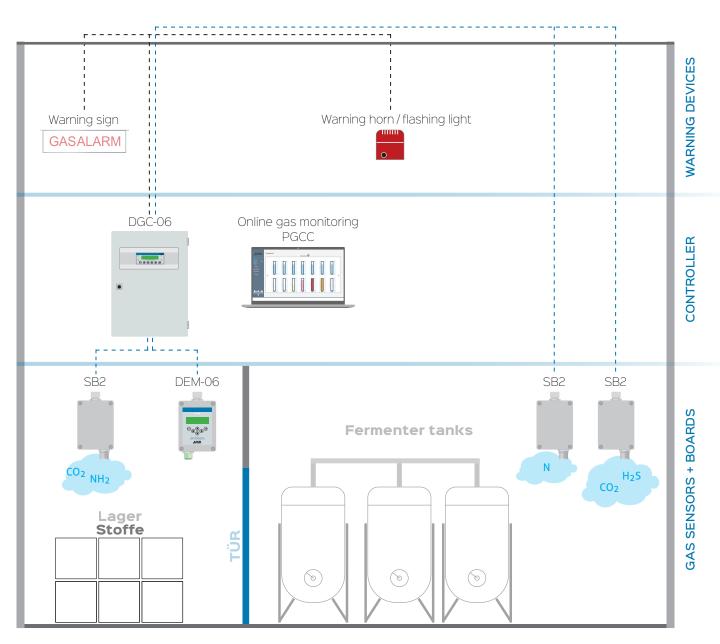
#### Gas Hazards

In the pharmaceutical industry, there are a variety of risks to the health and safety of employees and equipment because gases are released or used in the processes. For example, flammable gases such as methane (CH<sub>3</sub>) and harmful gases such as carbon dioxide (CO<sub>2</sub>) produced during fermentation can pose a risk. For this reason, continuous monitoring of the ambient air in storage rooms and production facilities is necessary.

#### Benefits

- · Variety of gas and measuring ranges for every application
- Use of small or large controllers possible
- Easy connection to existing BMS systems
- Special gas sensor portfolio for various chemicals





## **Pharmaceutical Industry**





#### Gas Detection.



We are part of the MSR-Group.



#### **MSR-Electronic GmbH**

Buergermeister-Schoenbauer-Str. 13 94060 Pocking, Germany

Phone: +49 8531 9004 0

Mail: info@msr-electronic.de

www.msr-electronic.de



MSR VIDEO
The YouTube Channel



**MSR** IMAGEFILM Made in Germany



MSRLinkedIN
Find out all the news about us

