Gas Detection in Pharmaceutical Applications

The pharmaceutical industry is a complex chemical industry. On the production floor, in research and development laboratories and in plant utility rooms, the personnel in this industry uses and produces a variety of hazardous gases throughout their line of work.

These gases often include carbon dioxide, chlorine, freon, hydrogen, methane, hydrogen sulfide, sulfur dioxide, ammonia, and other organic and combustible compounds. In addition, due to the use of nitrogen in many of these areas, oxygen depletion is a risk to consider. Small and large amounts of toxic gases can threaten injury or death.

Specific pharmaceutical applications that are prone to increasing the exposure levels of hazardous gases to personnel include confined spaces, storage silo work, environmental, vat cleaning, fixed point, data logging and industrial hygiene practices. Production, manufacturing, processing, handling and transporting processes also produce toxic gases.

To properly monitor and detect toxic present gases and gas leaks in pharmaceutical environments, the implementation of gas detection equipment is essential. Continuous monitoring and early warning are the best means of preventing accidents from occurring and ensuring the safety of personnel.

Otis Instruments offers a variety of wired and WireFree easy-to-use, robust and configurable gas detectors capable of detecting both toxic and non-toxic gases for diverse applications within the pharmaceutical industry.

To learn more about our gas detection solutions for pharmaceutical applications, contact Otis Instruments today.

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