ANSUL®



Petrochemical, Oil & Gas Facilities

CHALLENGE:
When available space is at a premium, reducing the footprint of the clean agent fire suppression system is critical.

SOLUTION:
ANSUL® INERGEN® Clean Agent Fire Suppression System with iFLOW Technology

APPLICATION:
Clean agent fire suppression for ancillary buildings, data communication rooms, back-up power supplies and emergency facilities

Fire risks in petrochemical, oil and gas (POG) facilities are most often associated with the storage and transport of flammable liquids or gases. However, the fire hazards in ancillary buildings, data communication rooms, back-up power supplies and emergency facilities are often underestimated. Protection of this critical infrastructure is essential to help assure safety, maximize uptime and secure vital assets.

INERGEN fire suppression systems have provided a reliable, environment-friendly means of fire protection in POG facilities for many years for normally-occupied areas containing electronic equipment and critical assets. However, space constraints could be challenging due to storage container footprint, larger pipe size and added pressure venting requirements.

Tyco Fire Protection Products understands the challenges of fitting fire suppression systems within the space-limited infrastructure in these facilities. Our solution is twofold: time-proven INERGEN clean agent delivered to the protected area using state-of-the-art iFLOW fire suppression system technology.

Advanced iFLOW system technology enables engineers to reduce storage container footprint, complexity of the pipe network and pressure venting requirements. The iFLOW valve reduces pressure spikes in the distribution pipe network to a nominal 60 bar (870 psi). The iFLOW check valve enables the connection of multiple containers without the need for a manifold and the iFLOW matrix container racking offers greater flexibility to position the storage containers in conventional rows or around objects. The technology also facilitates a storage pressure of 300 bar (4350 psi) providing additional agent capacity in fewer containers.

In short, iFLOW technology expands system flexibility to enable engineers to accommodate the fire suppression system in a more space-efficient manner by addressing many of the concerns previously associated with inert gas systems.

tyco Fire Protection Products

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