APPLICATION

ANSUL®



Data Centers

CHALLENGE:
Fire protection is critical, but it should also be unobtrusive. Conventional inert gas fire suppression systems often require complex piping networks, large storage footprints and significant over-pressurization openings.

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

APPLICATION:
Data centers including server rooms and other normally-occupied areas containing sophisticated electronic equipment requiring clean agent fire suppression systems

Data centers affect our lives in many ways, from managing the information used to run our cities, to streaming our entertainment and handling the huge amounts of data we produce every day. A critical factor of data center contingency management surrounds fire risk and its impact. With critical and costly equipment, often in constant operation, a reliable fire protection solution is required to help maximize operational uptime and safeguard valuable data.

Tyco Fire Protection Products understands the challenges of fitting fire suppression systems in data centers and our solution is twofold: time-proven INERGEN clean agent delivered to the protected area using state-of-the-art iFLOW fire suppression system technology.

INERGEN clean agent is an effective fire suppressant designed for normally-occupied areas containing electronic equipment. The ultimate environment-friendly inert gas mixture – INERGEN agent requires no cleanup, contains no chemicals, is nontoxic and nonconductive, and will not produce corrosive decomposition products.

Advanced iFLOW system technology enables engineers to reduce storage container footprint, complexity and size 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 less obtrusive way by addressing many of the concerns previously associated with inert gas systems.

tyco Fire Protection Products

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