

Kardex VLM Advanced Fire Protection

Fike

kardexremstar



While industrial fires are rare, they are unpredictable and proper safety measures are essential to protect against the worst-case scenario. With local fire codes and insurance requirements tightening to protect people, property and products, ensuring reliable fire safety across an entire warehouse – including Automated Retrieval and Storage Systems (ASRS) – is more crucial than ever.

With this responsibility in mind, Kardex has partnered with Fike for a fast-acting fire detection and suppression system specifically for its Kardex Shuttle Vertical Lift Modules (VLMs) to ensure high-valued assets, including the VLM itself, are reliably protected.

Fike's solution is an alternative to traditional sprinkler systems, which may satisfy an AHJ or insurance provider's requirements, but they offer little to protect these critical assets from obscured fires, water damage and downtime.

Using a combination of an inert gas fire suppression system and VESDA aspirating smoke detectors, Fike's custom solution complies with FM Global Data Sheet 8-34 for the protection of the VLM and the assets within.

FIKE INERT GAS SYSTEM

Fike Inert Gas System reduces oxygen levels to a concentration unsustainable for fires but safe for people and the environment. Superior design qualities allow for long pipe runs of small-diameter, low-pressure-rating piping with couplings from the containers all the way to the nozzles. Fike recommends using IG-100 (Nitrogen) in ASRS protection, which has a density closest to that of air and provides superior stability within the protected enclosure. This characteristic allows the system to achieve and maintain the NFPA 2001–required agent retention time, ensuring effective fire suppression throughout the specified hold period.



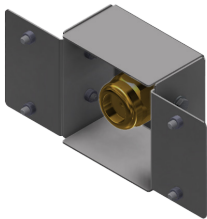
XTRALIS VESDA

Continuously measures the air within the volume of the VLM for early signs of combustion, even before smoke is visible.



FIKE CHEETAH XI™

Addressable releasing panel compatible with Fike Inert Gas System that quickly releases the inert agent into the protected space upon detection of combustion from VESDA.



HORIZON NOZZLE

Mounted on the outside of the VLM and designed to discharge agent into the volume without interfering with any internal components or processes.



24/7 TECHNICAL SUPPORT

Emergencies don't always occur during normal business hours, which is why Fike's dedicated technical support team is available 24/7 for emergency situations: 1-800-YES-FIKE



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