



PREVENT FIRES IN DEEP FREEZE WITH OxyReduct® FOR COLD STORAGE

Extreme Cold, Extreme Risk

Subzero temperatures. Dry air. Frozen goods. To the average person, a cold storage warehouse would be the last place to worry about a fire. But those in the freezer industry know the opposite is true. Hidden hot spots in the extreme cold include dry air combined with combustible packaging materials, faults in storage and retrieval vehicles, switch cabinets, or defrosters, and rising combustion gases in high-bay storages.

OxyReduct® to the Rescue

Enter OxyReduct® from WAGNER, proven to stop fires before they can even start. Here's how it works:

To burn, fire needs a certain percentage of oxygen in the air. By introducing non-toxic nitrogen into the environment, OxyReduct® reduces oxygen levels enough to eliminate the potential for a fire to break out or to propagate. The atmosphere remains safe, while facilities remain safely accessible by authorized personnel.



WAGNER: A Global Leader in Fire Protection

Since 1976, WAGNER has set the standard for global market leadership and innovation in commercial fire safety and prevention. Over 700 organizations worldwide including the British Library, Daimler, Jaguar Land Rover, Preferred Freezer Services, Porsche, VW, Intercontinental Hotels, Dr. Oetker, and many more count on OxyReduct® to protect their most valuable assets.

The Customer

Preferred Freezer Services offers the most modern, state-of-the-art, full service temperature-controlled warehouses in the United States. Since launching in 1989, the company has evolved to become one of the largest public refrigerated warehousing companies in the world. Today, Preferred Freezer Services operates in 35 facilities in 9 regions nationwide, representing 200 million cubic feet of warehouse space from coast to coast. To further expand its presence in the US, Preferred Freezer Services is completing the construction of a new 455,000 square foot warehouse in Washington State.



OxyReduct® IN ACTION: PREFERRED FREEZER SERVICES, INC.



▲ OxyReduct® protects a Preferred Freezer Services' newest high-bay storage facility—the largest of its kind in the world.

The Challenge

Preferred's new warehouse includes three massive freezer areas, as well as 12,000 square feet of office space and 10,000 square feet of electrical and mechanical rooms. The site also features extensive truck and rail docks, connected to more than 207 miles of pallet support and satellite rail, with an expected throughput of roughly 2 billion pounds of frozen products annually. In addition to the expansive space, the new facility is equipped with state-of-the-art technology, including fully automated freezers featuring conveyors, specialized cranes, and pallet moles. In short: Preferred Freezer Services has a lot of assets to protect—and no time to worry about the devastation a fire might cause.

The Solution

On track to be the largest single cold storage facility in North America, Preferred Freezer Services' Washington warehouse is also the first in the US to feature a WAGNER OxyReduct® system as its main fire prevention solution. Lead contractor Victory Unlimited Construction installed OxyReduct® inside each of the freezer facilities. This system precisely manages nitrogen content in the protected space, creating an environment that does not support combustion. The resulting conditions ensure consistent 24/7 protection against the start of fire. Most importantly, in this environment, food products can be safely stored—but fire doesn't stand a chance.

For more information, contact WAGNER today:

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