MYTH-BUSTING

TRUE OR FALSE

USE

Inergen is suitable for large areas.	YES	Inergen is currently used in for example large data centers worldwide and can be designed to protect large spaces effectively.
Inergen will damage our HDD and result in critical downtime and data loss.	NO	This old tale is no longer relevant as we have developed a nozzle silencer to ensure we keep the HDD safe and cause no stress to them when Inergen is released.
Inergen can be used in staffed areas with people inside.	YES	Inergen is completely safe for people. It consists solely of naturally occurring atmospheric gasses, rendering it harmless for humans.

DESIGN

Inergen cylinders will take up space from the protected area.	NO	Cylinders do not have to be placed in the dedicated protected area and can be placed up to 300 meters from it, saving valuable space.
Pipework for a chemical system is easier to install than an Inergen system.	NO	On the contrary, chemical systems use pipe dimensions that are 2 to 3 times larger. These pipes can take up a lot of space, are heavy to handle, and require a robust building structure.
When designing an inergen system, nozzles can be placed regardless of how objects in the protected area are arranged.	YES	The nozzle effect in a system using chemical agents is obscured if objects are placed within a short distance of the nozzle. Making the mist of the chemical agents attach as fluid to these obscuring objects rather than vaporizing into a gas. This scenario cannot happen using Inergen, as Inergen is in a gaseous state from the start.
Chemical systems don't need any pressure dampers in the protected area.	NO	Most chemical systems need a pressure damper. In fact, most chemical systems need to handle negative + positive pressure in the room, whereas an Inergen system only needs to handle the positive pressure in the protected area.
After an activation, chemical systems are easy to refill and reset.	NO	Chemical systems require a lengthy resetting process due to the cylinder filling process, as any humidity entering the cylinder during re-filling may cause malfunction. This requires the cylinder to be rotated from side to side during the filling process, which must be done off-site.

COST

Inergen is more expensive than chemical agents.	NO	Most people are surprised when they learn that Inergen is often more competitive, which is also in part due to the system design.
After activation, the refilling of Inergen cylinders is costly and time-consuming.	NO	Inergen is a readily available global commodity with moderate prices compared to chemical agents. Furthermore, the number of Inergen filling stations is also rising, making it even more accessible.

SAFETY

A 25-bar chemical system is safer than a 300-bar Inergen system.	NO	The Inergen system is designed to handle high pressure and adheres to all international safety regulations. The cylinders are equipped with a burst disc, and the pressure in the pipes to the nozzles is only 60-80 bar.

STOP

The fire. The damage. The loss.

Fire-eater.com

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