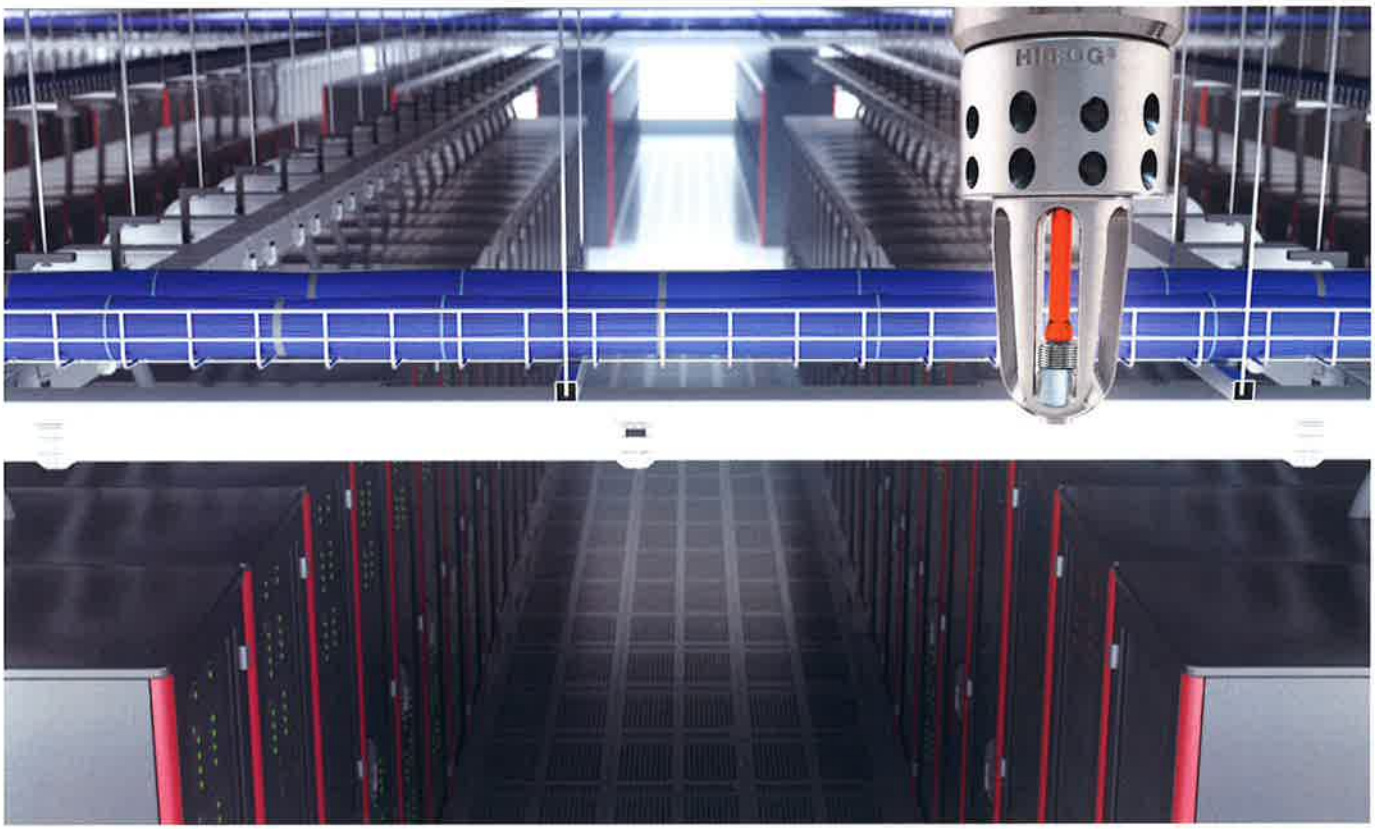
Protecting Your Cloud With Mist

HI-FOG® is the first high-pressure water mist fire protection system to fulfill the new standards for data center fire safety and receive FM Approvals Certificate for protecting data halls and subfloors from fire.



High-Pressure Water Mist
Fire suppression in data centers can be challenging due to the high airflow and the increased power density of servers.

HI-FOG®, renowned for its ability to suppress, control and cool fires, has proven to be an ideal fire protection system for these critical facilities as it can efficiently function in ventilated conditions and narrow spaces under the raised floor of a data hall.

FM Approvals Standard
FM Approvals has identified the increased fire risks in data centers and upgraded the FM Standard 5560 to incorporate new fire test protocols for data processing equipment halls and cable trays below the raised floors.

HI-FOG® is the first high-pressure water mist system to meet the new requirements and earn FM Approvals Certificate after full-scale fire tests.

Performance-Based
Full-scale fire tests are the only way to evaluate the performance of a water mist system. Not all water mist systems are the same; the fire fighting properties are entirely system -specific.

Marioff has always been a strong supporter of research. The performance of HI-FOG® has been verified in thousands of fire tests. As a result, HI-FOG® has received more than 130 type approvals for a wide range of applications.

Discover more!
View data center animation

FM APPROVED

HI-FOG®
water mist fire protection



HI-FOG® Benefits

No need to shut down process cooling

Localized discharge, minimal water damage

Fast and inexpensive to reset to stand-by mode

Uses less water than traditional sprinkler systems

Minimized risk of a false discharge

High quality stainless steel piping, no welding in connections

Suitable for protecting all areas of a data center

Room integrity not required

Cost-efficient to scale-up to new areas when the facility is expanding

The safe and sustainable way to fight fires

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Marioff reserves the right to revise and improve its products and recommended system configurations as it deems necessary without notification. The information contained herein is intended to describe the state of HI-FOG® products and system configurations at the time of its publication and may not reflect the product and or system configurations at all times in the future.

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