

Battle Hardened Fire Protection

HI-FOG® delivers efficient fire protection for surface vessels and submarines and aids in crew and platform survivability while ensuring continuity of operations at sea.



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What is HI-FOG®?

HI-FOG® is a high-pressure water mist fire protection system that uses small amounts of fresh water to quickly and efficiently suppress fires while minimizing damage.

HI-FOG® fights fires in three ways: by cooling the fire and the surrounding volumes, by blocking the radiant heat, and by oxygen depletion at the seat of the fire.

Immediate Activation

HI-FOG® can be activated the moment a fire is detected when fire is still in its infancy.

System activation does not require evacuation and the spaces can be entered while the system is discharging.

Continued Operations and Minimal Downtime

The interruption of normal operations can come at a high cost and rapid recovery is a priority.

The cooling effect of HI-FOG® facilitates quick thermal management, leading to less damage. Due to radiant heat blocking, the HI-FOG® system

improves evacuation and rescue capability, and reduces fire spread. These features allow swift recovery and continued operations.

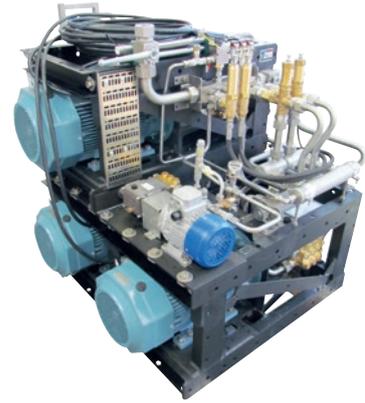
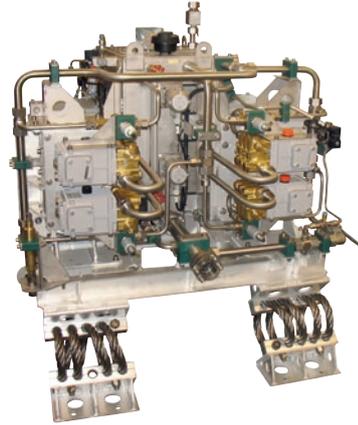
HI-FOG® is fast and inexpensive to reset at sea after a fire. Water supply is always guaranteed as the system can also be switched to sea water feed for continued fire protection.



HI-FOG® sprinklers



HI-FOG® spray heads



HI-FOG® pump units have been designed for harsh environments and demanding specifications.

Flexible Fire Protection

HI-FOG® is extremely flexible, which means the system can protect most spaces onboard. Due to its modularity, HI-FOG® is easily expandable and can be modified throughout the vessel's lifecycle.

HI-FOG® can protect the majority of areas onboard a modern naval vessel, ranging from large open spaces to tight compartments.

HI-FOG® machinery space total flooding and local application systems can be integrated with sprinkler installations using the same main system components.

Performance-Based

Marioff has always been a strong supporter of research and development. The performance of HI-FOG® has been verified in thousands of full-scale fire tests including naval application specific testing.

HI-FOG® Services

Thanks to its wide-ranging service and maintenance network, field service engineers are ready to support and repair the systems globally in a timely manner to ensure minimal downtime.

Our services extend from optimized maintenance and original spare parts, to crew training and mid-life upgrades.



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