

Safe and versatile fire protection for offshore applications

*HI-FOG[®] for living quarters, exploration and
production units*



Safety beyond

HI-FOG® is an efficient, safe and environmentally friendly fire protection solution based on high-pressure water mist technology. Ideal for offshore LQ's and various machinery spaces on exploration and production units, the HI-FOG® system meets IMO regulations, NFPA as well as other offshore standards, delivering the performance and reliability needed to ensure operational continuity at sea.

Marioff can provide tailor-made solutions designed specifically for the tough and unrelenting conditions often found offshore. The HI-FOG® system is highly adaptable and can be modified to suit even the most challenging requirements without compromising the safety of the crew. This unwavering commitment to safety, coupled with Marioff's experience in this demanding field, is why many of the main petrochemical companies rely on HI-FOG® for fire protection.



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HI-FOG® benefits:

- **Fast:** immediate activation
- **Proven:** success in countless real fires
- **Safe:** harmless to people and the environment
- **Cooling:** prevents fire from reigniting

Immediate activation

One of the main benefits of HI-FOG® is that it can be activated immediately the moment a fire is detected, when fire is still in its infancy, preventing the fire from spreading.

The system discharges a very fine water mist as a high-pressure fog, which as such blocks radiant heat and absorbs heat efficiently through evaporation, cooling the surroundings and minimizing the collateral damage fire can cause.

Safe for people and the environment

HI-FOG® uses pure water mist as a suppression agent which is entirely harmless to people and the environment.

Spaces do not need to be evacuated or closed off for the system to be activated, and they can also be entered while the system is discharging as it does not affect the fire fighting efficiency or pose risk to human life.

Minimum downtime

Interruption of normal operation comes at a premium cost and rapid recovery after a fire is utmost important. While some other systems need recharging or special servicing after activation, HI-FOG® is ready to go again without delay. Water supply is always guaranteed.



the horizon



HI-FOG® water mist sprinkler system for Living Quarters



HI-FOG® for machinery spaces

Integrated system benefits

Protecting all areas with a single system offers customers one-stop-shopping advantages for all aspects of the lifecycle support.

From control and suppression in accommodation and service spaces to completely extinguishing fires in machinery rooms, HI-FOG® does the job. Total flooding and local application installations can be combined with single central pump unit serving the entire, integrated system.

Proven performance

Marioff is the world's first and largest supplier of water mist fire protection systems. As the pioneer of this technology, Marioff is renowned for its unyielding commitments to system development.

Since its launch, HI-FOG® has received over 100 type approvals as a result of thousands of full-scale fire tests conducted. HI-FOG®'s performance is also proven in numerous real fires suppressed or extinguished. Each new installation benefits from Marioff's unrivalled experience in protecting people, property and business continuity at sea.

HI-FOG® has well over 2,000 marine application installations, dozens of which are rigs.

HI-FOG® can be used on many types of offshore LQ's, exploration and production units, such as:

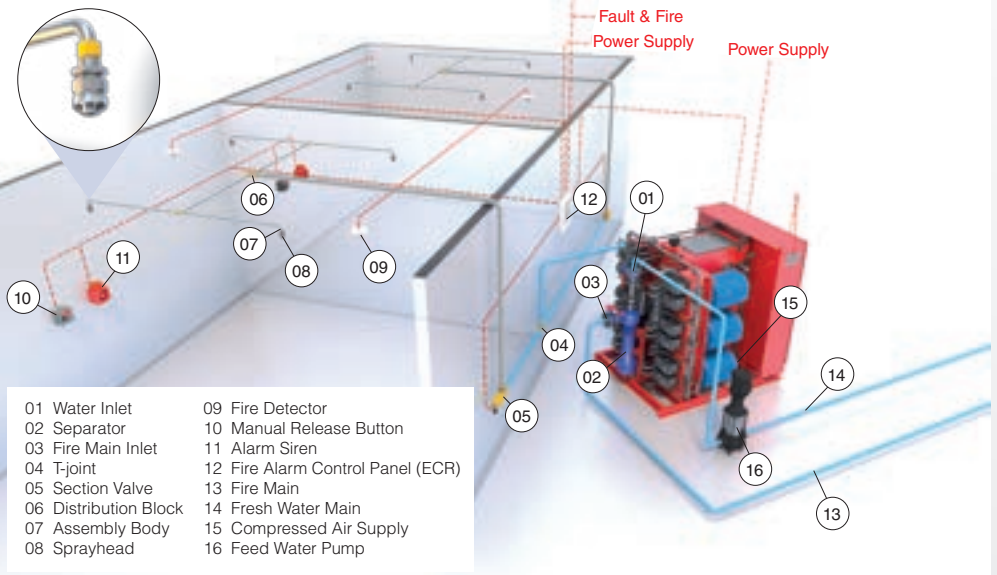
- FPSO and FSO units
- Accommodation units
- Drilling rigs
- Drill ships
- Other special offshore units



HI-FOG® sprayhead for machinery spaces.



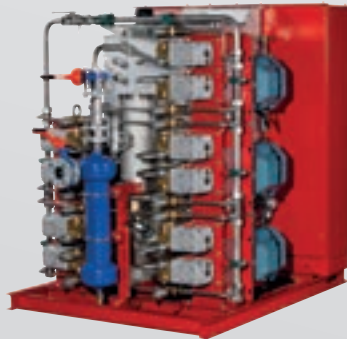
HI-FOG® 3000-series nozzle for living quarters.



HI-FOG® system for machinery spaces.



HI-FOG® gas-driven pump unit (GPU).



HI-FOG® electric pump unit (SPU).



HI-FOG® accumulator pump unit (MAU).



HI-FOG® cabinet for protecting a diesel engine driven generator enclosure.



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