

Marine application

BSKY WATER MIST Fixed Local Application Fire-Fighting System



BSKY Fire Protection — Enjoy the Way to Safety

BSKY WATER MIST

Experience unparalleled marine safety with BSKY WATER MIST, our cutting-edge low-pressure water mist system designed exclusively for maritime applications. Engineered for efficiency, reliability, and rapid response, BSKY WATER MIST is your ultimate solution for fire protection on the high seas and complies with IMO resolution MSC/circ. 1165 and 1387.

EFFICIENT FIRE-EXTINGUISHING PERFORMANCE

BSKY's water mist system can provide ultrafine water mist with droplet size of less than 100µm under low pressure through advanced mechanical atomization technology, ensuring the optimal fire extinguishing effect while minimizing the potential risks to sensitive equipment.

TAILORED MARINE APPLICATION

The system customized design to meet the unique challenges of marine environments, offering superior protection for vessels, engine rooms, control centers, and other critical areas.

RAPID RESPONSE TECHNOLOGY

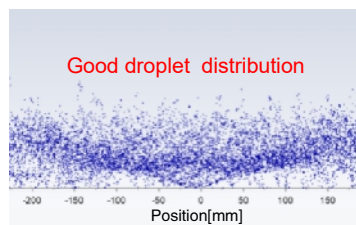
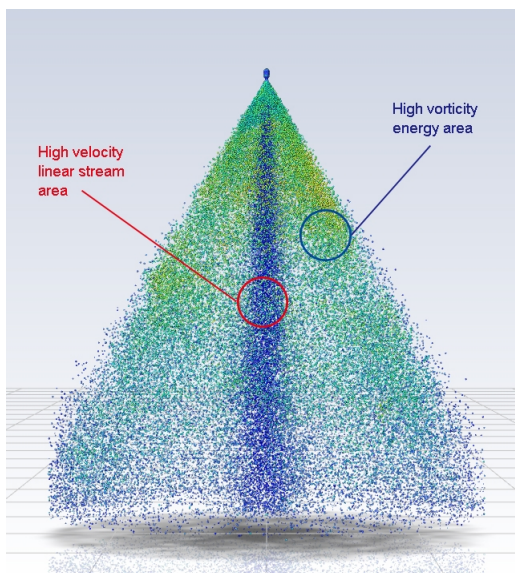
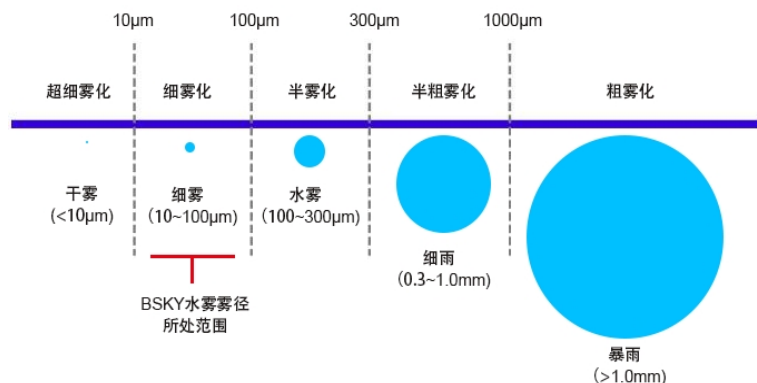
Lightning-fast activation and distribution of water mist to suppress fires swiftly, minimizing potential damage and ensuring the safety of crew and assets.

EFFICIENT WATER CONSUMPTION

The special designed nozzle optimized water usage with our advanced mist technology, reducing overall water consumption compared to others low pressure water mist systems.

COMPACT AND SPACE-EFFICIENT DESIGN

The system is comprised to streamlined components for easy integration into existing marine systems.



What makes low pressure effective?

The BSKY technology is the special whirler which installed inside of nozzle tip and make water droplets more fine, effective, providing optimal system performance.

The whirler divides two different region which the center of stream is high velocity area, providing the water mist will penetrate fire source effectively, the side of stream is high vorticity energy area, making water droplets more fine under low pressure condition.

This difference makes the best water droplet distribution of water mist nozzle and the Sauter mean diameter (SMD) of the droplets and D90 which means that 90% of the total particles are smaller than this size, is 10 to 100 µm, this size droplets has the ultimate performance to suppressing fire in machinery space of ships.

BSKY WATER MIST

According with

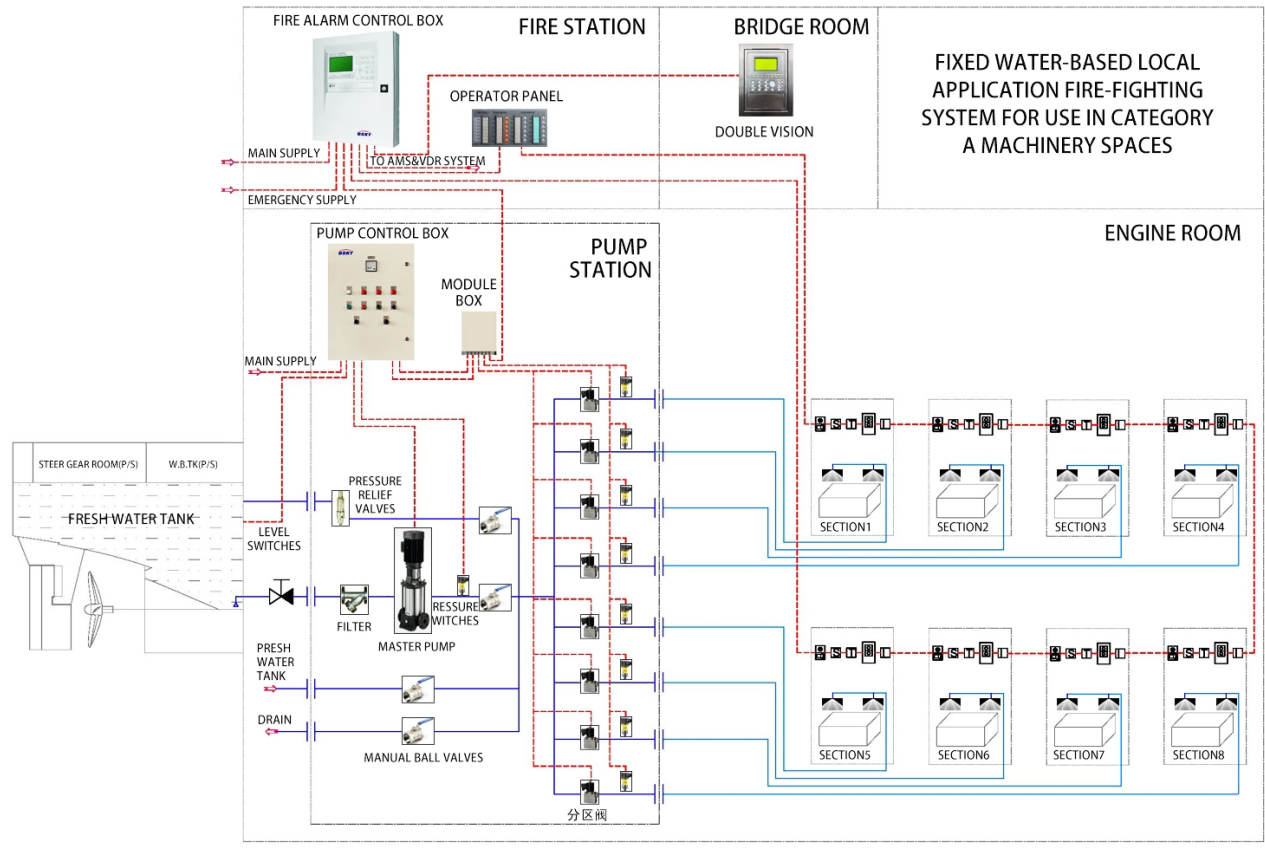
- Regulations 10.5.6, Chapter II-2 of of International Convention for the Safety of Life at Sea, 1974, as Amended.
- MSC.1/Circ.1387 Revised Guidelines for the Approval of Fixed Water-based Local Application Firefighting Systems for Use in Category A Machinery Spaces.

Application

Category A Machinery Spaces.

Technical parameters	
Type	BSKY-CXSW-L
Fire-Fighting Medium	Fresh water
Min. Operation Pressure	0.75MPa
Nozzle Model	CXSW-T7.2 BSKY
Flow Factor K of Nozzle	7.2
Type of Nozzle	Opened

P&ID of BSKY-CXSW-L



BSKY WATER MIST

Pump Unit

The pump unit is mainly composed of multi-stage centrifugal pump, pump control box, selection valve and other components. It is the main part of the fine water mist. Mainly installed outside of the protected partition.

Type	Rated working pressure	Support the number of Zone
BSKY-CXSW-L	1MPa	Based on ship demand

Nozzle

The water nozzle with mechanical atomization technology can provide superfine water spray within 100um, ensuring the optimal fire extinguishing effect while minimizing the potential risks to sensitive equipment.

Type	Min.Working pressure	Maximum Horizontal Spacing of Nozzle	Installation height
CXSW-T7.2 BSKY	0.75MPa	3m	0.5~11m



BSKY WATER MIST is approved by CCS\BV \NK ,and at the same time meet ABS、LR、DNV request.
Local Application System is type approved and certified to be in compliance with MSC/Circ.1387 and 1165.



Website



Wechat

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