Stat-X® Aerosol Fire Suppression

# MARINE FIRE PROTECTION

## IMO-compliant condensed aerosol fire suppression

**Stat-X®** condensed aerosol fire suppression is engineered for the protection of marine machinery and electrical spaces — where ignition sources, combustible materials, and strict regulatory requirements demand a compact, proven solution.

**Type approved by Bureau Veritas in accordance with IMO MSC.1/Circ.1270.**

### Compact, Self-Contained Design

No pressurized cylinders, no distribution piping, no dedicated storage room — units mount directly inside the protected space. Suitable for new construction and retrofit applications.

### Simplified System Life Cycle

15-year service life, minimal maintenance, and lower installation complexity versus $CO_2$ or water mist alternatives translate to measurably lower total cost of ownership.

## Environmental Profile

- Zero Ozone Depletion Potential (ODP)
- Zero Global Warming Potential (GWP)
- Zero Atmospheric Lifetime.

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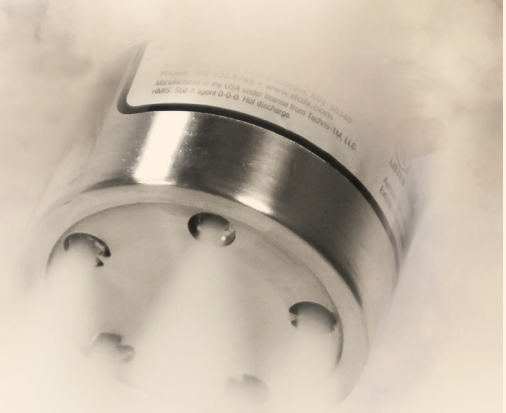
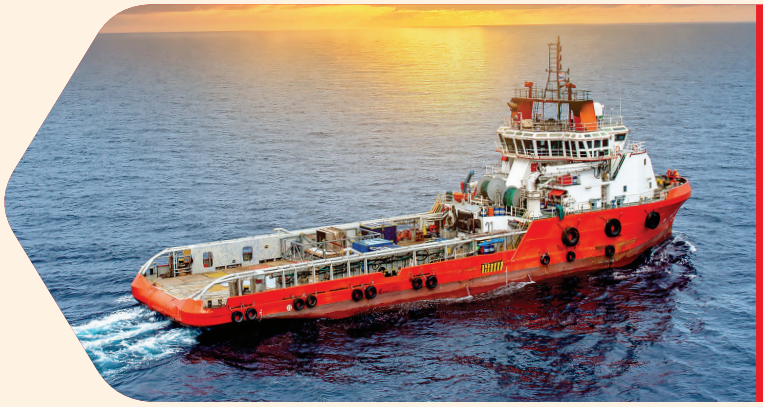
# Why Stat-X® for Marine Applications



**Marine fire protection systems** must be class and flag-approved, perform reliably in harsh environments subject to vibration and humidity and use the least amount of space at the lowest weight.

**Stat-X®** is designed to meet these requirements.

- Rapid suppression of developing fires at the chemical level — with reflash protection
- 15-year service life with minimal maintenance requirements
- Rugged, self-contained stainless-steel construction
- People-safe, ultra-fine aerosol agent – suitable for total flood hazards including machinery and electrical spaces
- No dedicated agent storage room required — system installs within the protected compartment
- Reduced mechanical system complexity versus piped suppression alternatives
- Tested to MSC.1/Circ.1270 and certified under MED



## Certifications and Approvals

- Type approved by Bureau Veritas (BV) following evaluation in accordance with IMO MSC.1/Circ.1270
- U.S. Coast Guard (USCG) approved models available
- Designed for installation in accordance with NFPA 2010
- ISO 9001 & ISO 14001 certified
- Listed under the US EPA SNAP program

## How Condensed Aerosol Compares

Condensed aerosol fire suppression is a distinct technology category that operates on a different physical and chemical basis than traditional suppression agents.

| FEATURE | CONDENSED AEROSOL | CLEAN AGENT (HFC/FK) | CARBON DIOXIDE ($CO_2$) | WATER MIST |
|---|---|---|---|---|
| Primary Mechanism | Chemical Inhibition | Heat absorption / chemical Inhibition | Oxygen displacement | Heat absorption |
| Medium | Solid compound (non-pressurized) | Pressurized gas | Pressurized gas | Potable water / seawater |
| System Location | Inside protected space | Outside protected space | Outside protected space | Outside protected space |
| Distribution | Suspended ultrafine particles from generator | Gas via distribution piping | Gas via distribution piping | Suspended water droplets via distribution piping |

Vessel-specific installations remain subject to plan approval and flag administration authorization in accordance with applicable regulatory requirements.

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## Contact Us Today!

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