

NICO DRONA NANOBUBBLE SYSTEM SCALABLE FIRE SUPPRESSION FOR INDUSTRIAL & CRITICAL SYSTEMS

NICO's nanobubble-based fire suppression systems redefine conventional firefighting by combining ultra-fine bubble technology with advanced fluid engineering. By enhancing cooling, improving penetration, and enabling oxygen displacement, the system delivers faster, more efficient fire control while significantly reducing water usage and collateral damage. Designed for seamless integration, it upgrades existing infrastructure into high-performance suppression systems.

Key Benefits

NICO DRONA delivers measurable improvements in fire suppression performance across industrial and critical infrastructure.



Enhanced Cooling & Flame Control

Rapid heat absorption lowers temperatures quickly, enabling faster flame knockdown.



Improved Penetration

Ultra-fine nanobubbles reach deep into porous and complex fire zones for effective suppression.



Reduced Water Consumption

Achieves superior performance with significantly lower water usage.



Minimized Collateral Damage

Uses water efficiently to reduce damage to equipment, assets, and infrastructure.



Reignition Prevention

Improved surface wetting creates a protective layer that limits flare-ups.

The NICO DRONA Advantage

The NICO DRONA system utilizes advanced nanobubble generation to deliver a dual-action fire suppression approach, cooling and inerting simultaneously. By generating ultra-fine nitrogen-based nanobubbles, it reduces oxygen concentration at the flame while enhancing heat transfer for rapid suppression.

Its modular, plug-and-play design allows easy deployment across industrial, commercial, and high-risk environments, upgrading existing firefighting systems without major infrastructure changes. With high gas transfer efficiency and nano-scale bubble size, DRONA ensures deeper penetration, faster response, and superior fire control performance.



Dual-action cooling and inerting mechanism



High-efficiency nitrogen nanobubble technology



Modular, plug-and-play integration



Faster response and deeper fire penetration



Lower water usage with enhanced suppression efficiency



Superior fire control for industrial applications

Advantages Over Conventional Systems



Faster Suppression Time

Quicker control of fire spread and reduced response time.



Chemical-Free Operation

Eliminates reliance on harmful suppression agents like foam or halon.



Lower Water Usage

Minimizes water damage, especially in sensitive environments.



Dual-Action Mechanism

Combines rapid cooling with oxygen displacement in a single system.



ISO Certified Quality Standards



Global Presence



Customizable, Application-Specific Solution

Enhance Fire Protection with Advanced Nanobubble Fire Suppression Technology.

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