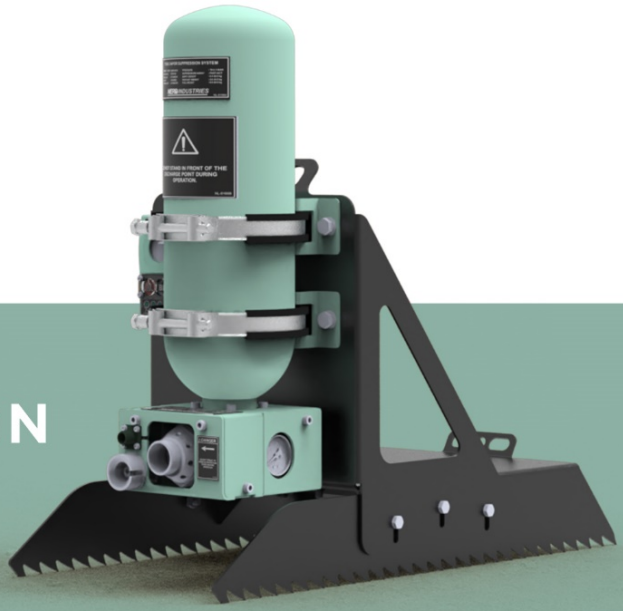
NERO INDUSTRIES
Advanced Reliability

"Defending against toxic threats!"



TOXIC VAPOR SUPPRESSION SYSTEM (TVSS)

neroindustry.com

TOXIC VAPOR SUPPRESSION SYSTEM (TVSS)

Introduction

The need for effective and user-friendly decontamination systems is growing in response to emerging CBRNE (Chemical, Biological, Radiological, Nuclear, and Explosive) threats.Toxic Vapor Suppression System offers reliable and efficient decontamination solutions adaptable to various environments.

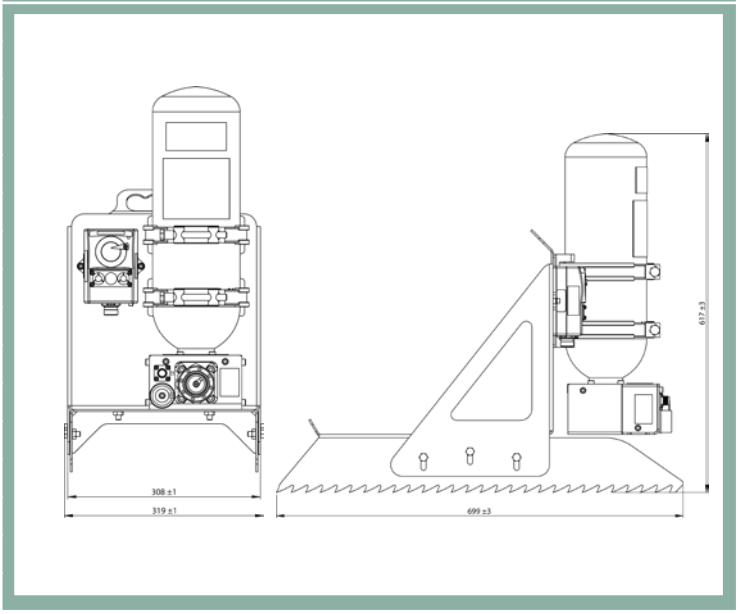
System Overview

Our developed system utilizes a portable cylinder containing Fast-Act decontamination agents. Toxic Vapor Suppression System can deploy up to 2 kg (approximately 4.4 lbs) of decontamination agents in under 2 seconds. Its maintenance-free design significantly enhances reliability and ease of use, making the system practical and user-friendly.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAIL
Total Weight	44 lb (20.5 ± 0.5 kg)
Platform Weight	25.574 lb (11.6 kg)
Detector Weight	1.323 lb (0.6 ± 0.5 kg)
Cylinder Weight	18.739 lb (8.5 ± 0.5 kg)
Length	27.1 in (690 mm)
Width	12.5 in (318.6 mm)
Height	24 in (610 mm)
Fast-Act Powder Weight	4.409 lb (2 kg)
Min. Operating Temperature	-25.6°F (-32°C)
Max. Operating Temperature	131°F (+55°C)
Construction Material	High-Grade Steel
Decontamination Agent	Fast-Act
Shelf Life	5 Years
Pressurizing Gas	Dry Nitrogen
Cylinder Pressure	15 ± 2 Bar
Activation Method	Pyrotechnic Activation (24 VDC)

2D DRAWINGS

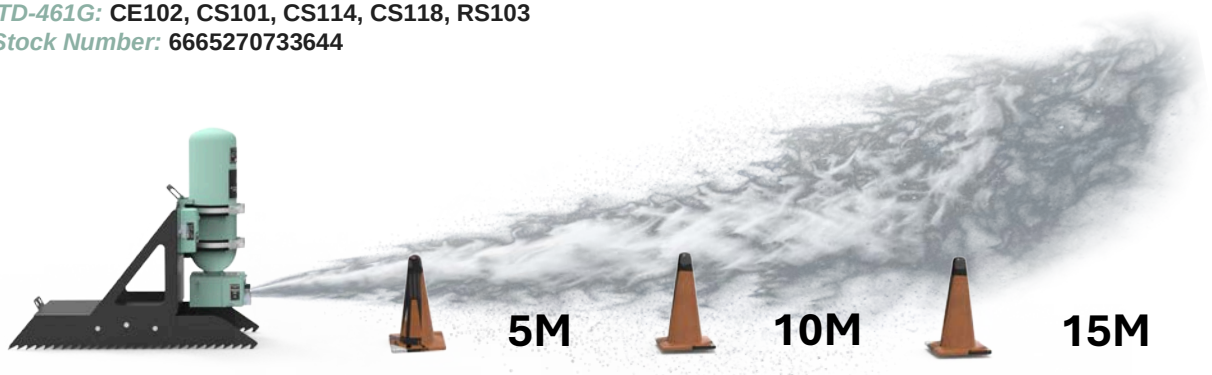


Certification According Military Standards

MIL-STD-810H: **500.6-Low Pressure (Altitude), 501.7-High Temperature, 502.7- Low Temperature, 503.7- Temperature Shock, 504.3-Contamination by Fluids, 505.7-Solar Radiation (Sunshine), 506.6-Rain, 507.6-Humidity, 508.8-Fungus, 509.8-Salt Fog, 510.7-Sand and Dust, 514.8-Vibration, 516.8- Shock, 521.4-Icing/Freezing Rain, 524.1-Freeze/ Thaw**

MIL-STD-461G: **CE102, CS101, CS114, CS118, RS103**

Nato Stock Number: **6665270733644**



Operation

Toxic Vapor Suppression System deploys the Fast-Act decontamination agent to neutralize any toxic vapors or hazardous fumes that may remain. This capability ensures a comprehensive and effective response in emergency situations, offering both fire suppression and decontamination within a single system.

Activation Mechanism

The system can be activated either through an electric trigger or via a detector. Once activated, a small pyrotechnic device releases nitrogen gas, generating the necessary pressure to disperse the decontamination agent to the targeted area.

06.18.2022 REV1/CODE:NE-INF-114/NERO

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Please visit to our website for more information