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"Rapid Decontamination,
Anytime, Anywhere."

# Toxic Vapor Suppression System


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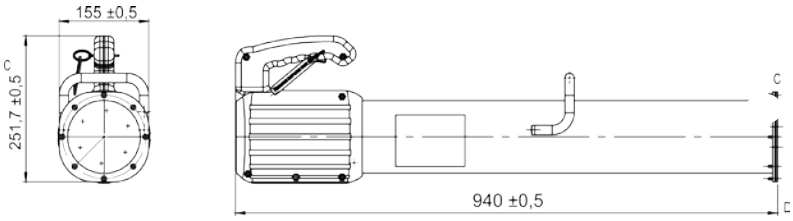
**Introduction** The need for effective and user-friendly decontamination systems is increasing in response to emerging CBRNE *(Chemical, Biological, Radiological, Nuclear, and Explosive)* threats. The Toxic Vapor Decontamination pod's ability is to provide effective decontamination in various environments.

**System Overview** Our developed system utilizes portable pods containing **Timilon Fast Act** Decontamination agent, which do not require electric or pressure release mechanisms. The pods can deploy up to 9,9 lbs *(approximately 4,5 kg)* of decontamination agent under 2 seconds. The maintenance-free design significantly enhances the reliability and ease of use of the system.

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Weight** | **9,5 KG (21 lbs)** |
| **Length** | **940 mm (37 inches)** |
| **Width** | **ø155 mm (6.10 inches)** |




| Military Standarts | Nato Stock Number |
|---|---|
| MIL-STD 810H | 6665270733643 |

### Key Innovations Handheld Pods

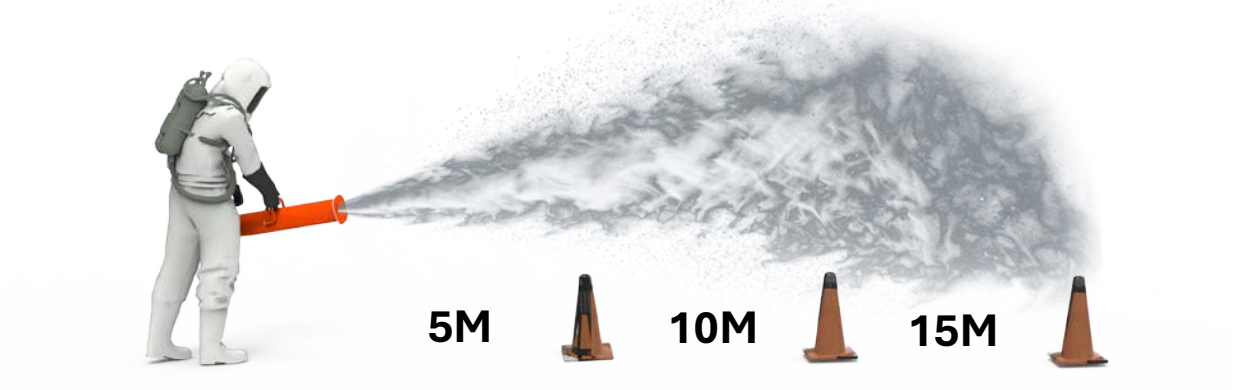
Each pod can deploy the decontamination agent up to 50 feet, making it suitable for both remote and multi-point decontamination operations. The pods are lightweight, weighing only 21 lbs, including 9.9 lbs of powder, and they are compact, with dimensions of 37 inches in length and 6.10 inches in diameter.

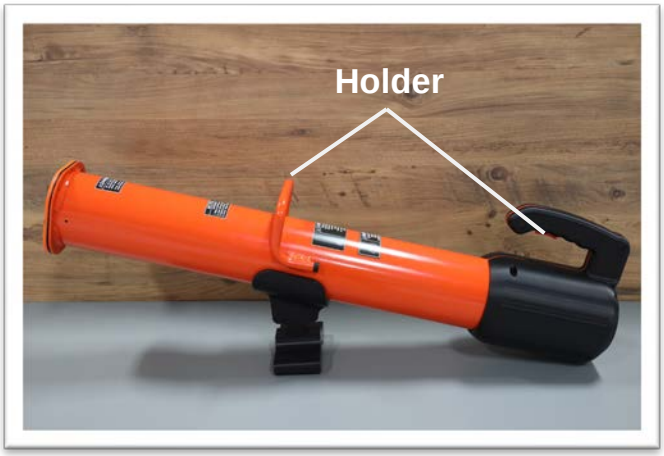
### Two-Stage Operation

The pods feature a two-stage mechanism. The first stage can be filled with a dry powder fire extinguisher to extinguish fires. Following this, the second stage deploys the Timilon Fast Act Decontamination agent to eliminate any hazardous fumes. This dual functionality provides a comprehensive solution for emergency response scenarios.

### Activation Mechanism

The pods can be activated either manually or via an electric trigger. A small pyrotechnic device initiates an aerosol, creating the necessary pressure to disperse the dry powder decontaminant to the targeted area. This mechanism ensures efficient deployment without the need for external pressure sources, enhancing the system's portability and ease of use.



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