

"Rapid Decontamination
Anytime, Anywhere"

AEROSOL POD MANUEL (APM1400)



Aerosol Pod Manual (APM1400)

Introduction

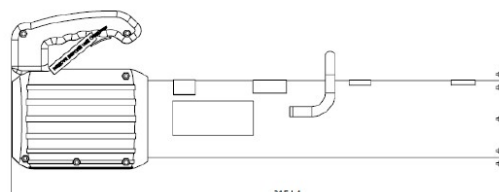
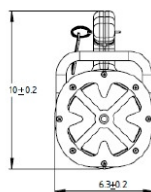
The need for effective and user-friendly decontamination systems is increasing in response to emerging CBRNE (Chemical, Biological, Radiological, Nuclear, and Explosive) threats. The Toxic Vapor Decontamination pod's ability is to provide effective decontamination in various environments.

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 11 lb (5 kg) of decontamination agents in under 2 seconds. The maintenance-free design significantly enhances the reliability and ease of use of the system. Furthermore, an extremely reliable packaging method has been used, and the product is protected with aluminum foam and environmentally protective packaging.

TECHNICAL SPECIFICATIONS

- **Weight:** 20 lb (9 kg)
- **Length:** 31.5 Inch (800 mm)
- **Width:** 6.3 Inch (160 mm)
- **Height:** 10 Inch (254 mm)
- **Fast-act Powder Weight:** 11 lb (5 kg)
- **Min Operating & Storage Temp:** -40°F (-40°C)
- **Max Operating & Storage Temp:** +160°F (71°C)
- **IP Rating:** IP54 (Handle Side)
- **Material:** High-Grade aluminum
- **Toxic Decontamination Powder:** Timilon Fast Act
- **Shelf Life:** 5 Years
- **Preparation Time:** 20 Seconds
- **Discharge Time:** 5.5 lb/seconds-Total 2s (2.5 kg/seconds)
- **Discharge Agent:** Aerosol Generator
- **Actuation Type:** Battery-Operated Pyrotechnic Trigger Mechanism
- **Safety Mechanism:** Strong steel safety pin
- **Package:** Foam with aluminum-Environmental protected packaging



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-Freezer/ Thaw

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

Hazard Warning

- Take care to avoid contact between the dust emitted from the product and your eyes during use.
- The product has a strong recoil. Therefore, hold it firmly with both hands when firing. To maintain your balance, position your legs apart with one foot forward and the other back.
- If the unit is triggered and does not activate, do not attempt to open the unit. Instead, contact the technical support line.

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 20 lb (9 kg), including 11 lb (5 kg) of powder, and they are compact, with dimensions of 31.5 (800 mm) inches in length and 6.3 (160 mm) 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.

