

MITR™-PF

COMPACT PARTICULATE FILTER

INTRODUCTION

- Reusable particulate filter
- Conformal shape providing low profile
- Protects against particulates, biological agents, including viruses, and dusts including radioactive dusts.

The Avon Protection MITR-PF Compact Particulate Filter is a low-profile particulate filter containing a pleated, high-efficiency filter element for protection against biological and pharmaceutical agents.

DESCRIPTION

The filter body is made of a high-quality engineering construction plastic, strategically chosen for its toughness and strength. This material gives the MITR-PF Compact Particulate Filter extreme durability against the shocks and impacts that are commonly experienced by equipment during operational use. The filter body is black in color and has a matte finish to reduce reflection.

The high efficiency filter element is made of high performance, synthetic particulate filtration media, selected to lend high protection capacity while maintaining low breathing resistance and profile.

The MITR-PF Compact Particulate Filter is entirely non-ferrous and non-magnetic.

SPECIFICATION

FILTER SPECIFICATIONS	
Filter Size	118 x 75 x 30mm / 4.65 x 2.95 x 1.18in
Filter Weight	78g / 0.17lb (typical)
Filter Attachment	Bayonet
Filter Color	Black
Filter Breathing Resistance	11 mm H ₂ O @ 85L/min (typical)



EFFECTIVENESS

The MITR-PF Compact Particulate Filter is self-certified for use as part of the MITR™ modular protection system.

The MITR-PF Compact Particulate Filter delivers particulate protection efficiencies greater than 99.97% against oil- and non-oil-based contaminants. Particulates protected against include pharmaceutical agents, biological agents, and other particulates, examples are listed in the table below.

Pharmaceutical Agents	Biological Agents	Other Particulates
Acetylfentanyl	Anthrax	Asbestos
Carfentanil	Brucella	Firearm lubricants
Fentanyl	Ebola	Metal Fumes
Illicit drugs particulates	Mold	Munitions residue including antimony, barium, copper, lead, and zinc
Methamphetamine	Ricin	Radiological and nuclear particulates
Opioids	Smallpox	Smoke particulates

The MITR-PF Compact Particulate Filter is a particulate only filter and will not protect against gases or vapors. Not for use in oxygen deficient or enriched environments.

OPERATIONAL ENVIRONMENT

The MITR-PF filter provides effective protection in all anticipated operational settings.

Hot - The filters have been tested after exposure to heat, remaining effective after exposure to temperatures of 159°F (71°C).

Cold - The filters have been tested after exposure to cold, remaining effective after exposure to temperatures of -26°F (-32°C).

Humid - The filters have been tested per U.S. military standards for humidity, remaining effective after exposure to humidities as high as 95% RH at temperatures up to 140°F (60°C).

Wet - Filters tested to meet the requirements of NATO water repellency standards. Avon recommends replacing the filter cartridge if it has been immersed in, or heavily soaked in, water.

Dusty - The filter retains its protection capabilities in dusty environments. Avon recommends replacing the filter cartridge if breathing becomes cumbersome due to excessive dust clogging.

Recommended Storage

The filter (sealed and packaged) should be stored at $20 \pm 10^\circ\text{C}$ / $68 \pm 18^\circ\text{F}$, <80% RH.

PACKAGING

The MITR-PF Compact Particulate Filter is supplied in a plastic bag.



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