

# CFP100 PARTICULATE FILTER

- Reusable Particulate Filter
- Conformal shape providing low profile
- 10 year shelf life
- Protects against mists, fumes, biological agents, including viruses, and dusts including radioactive dusts.

The Avon Protection CFP100 Filter is a low-profile particulate filter containing a pleated high-efficiency filter element for removal of very fine dusts, fumes, viruses, and oil- and water-based mists.

## DESCRIPTION

### Construction Materials

The canister body is made of a modified polyphenylene ether-polystyrene blend (PPE&PS), which is a high-quality engineering construction polymer. It provides a very robust product which is extremely durable against shock and impact in operational use. The canister body is black in color and has a matte finish to reduce reflection.

The high efficiency filter element is made of PTFE, PET/PE.

The CFP100 is entirely non-ferrous and non-magnetic.

## EFFECTIVENESS

The Avon Protection CFP100 cartridge is self-certified for use with Avon Protection Full-Face APRs (C50, PC50, FM54, FM53 and M53A1).

The filtering capacity for particles of the most penetrating particle size is greater than 99.97%. The particulate filter element was designed to exceed the requirements of NIOSH 42CFR84 P100 and EN 14387 (P3) ensuring effective performance against dusts, mists, fumes, and biological agents (bacteria, virus, fungal spores etc), and radioactive dusts.

## PERFORMANCE

### Breathing Resistance

<15 mmH<sub>2</sub>O @ 85l/min (typical)



## ENVIRONMENTAL

When stored in its original packaging the filter canister retains its operational effectiveness and efficiency with no degradation to its performance under the following environmental storage conditions:

### Operational Temperature -32°C to 71°C

The filters have been exposed to high and low ambient storage temperatures without harmful effects.

### Humidity range 5% to 100% RH

The filters have been tested following storage in high humidity environments and have been found to be effective.

### Rain

The filter will retain its effectiveness in heavy rainfall conditions, and it is not prone to water ingress.

### Salt Breeze

The filter will not deteriorate with exposure to salt breezes for 24 hours.

### Sand and Dust

The filter will not deteriorate when exposed to 24 hours of wind driven sand and dust conditions.

### Recommended Storage and Shelf Life

The predicted shelf life of the filter canister (sealed and packaged) is 10 years when stored at 20 ± 10°C, <80%RH.





## SPECIFICATION

| Dimensions |                                       |
|------------|---------------------------------------|
| Diameter   | Ø118 mm                               |
| Weight     | <118g                                 |
| Thread     | 40mm to NATO STANAG 4155 <sup>1</sup> |
| Color      | Black                                 |

1) Although the thread form is compatible with STANAG 4155 and EN148-1 the sunken thread within the conformal filter may result in the filter not sealing to some types of PPE. It is essential that the CFP100 filter is used only with Avon Protection masks.

## PACKAGING

The CFP100 is supplied in a plastic bag and supplied as single units with inlet/outlet caps fitted.

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