

CSCF50 RIOT CONTROL FILTER

- Conformal shape providing low profile
- 5 year shelf life

The Avon CSCF50 Filter is a canister designed for the removal of riot control agents and tear gases including CS, CN, and OC pepper spray, as well as dusts, mists, fumes, biological agents (bacteria, virus, fungal spores, etc.) and radioactive dusts. The unique conformal shape provides a low profile close fit with the mask.

EFFECTIVENESS

The CSCF50 provides protection from CS, CN, and OC pepper spray. A HEPA particulate filter element is incorporated, ensuring effective performance against dusts, mists, fumes, biological agents (bacteria, virus, fungal spores etc), and radioactive dusts.

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 and contaminants in operational use. The canister body is black in color and has a matte finish to reduce reflection.

The P100 high efficiency filter element is made of PTFE, PET/PE. A double layer of carbon cloth is used to remove riot control agents that may pass through the particulate filter as vapor.

The CSCF50 is entirely non-ferrous and non-magnetic.



SPECIFICATION

Dimensions	
Diameter	113 mm
Height from Shoulder	36 mm
Weight	80 g (typical)
Thread form	Standard round thread Rd 40 x1/7 40mm to NATO STANAG 4155/EN148-1 ¹
Color	Black

Breathing Performance
Breathing resistance 20 mm of H ₂ O @ 85 l/min

APPROVALS

NOTE: This canister is not a CBRN or TICs/TIMs filter canister. The CSCF50 Filter is not NIOSH approved.

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 CSCF50 filter is used only with Avon FM53, C50, FM12 and S10 masks.



ENVIRONMENTAL

The materials used and the method of construction of the filter canister have been designed to meet typical operation and storage requirements. 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 5 years when stored at $20 \pm 10^\circ\text{C}$, <80%RH.

PACKAGING

The CSCF50 is packaged in a 4 mil poly bag and supplied in a pack of four.



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