



---

## Avon CBRNF12B Filter

### CBRNF12B Filter

---

#### Description

The Avon CBRNF12B filter Canister is designed to meet the National Institute for Occupational Safety and Health (NIOSH), Chemical, Biological, Radiological, and Nuclear (CBRN), Air Purifying Respirator (APR) standard at the 15-minute classification level (CAP1). A particulate filter element meeting the requirements of NIOSH 42CFR84 P100 level is incorporated to protect against dusts, mists, fumes, biological agents and radiological dusts when used with an appropriate CBRN protective mask.



#### Mission

The Mission Requirement for the Avon CBRNF12B CBRN Filter is to provide breathing protection in compliance with NIOSH CBRN Certifications for APR and Powered air respirators (PAPR) in environments below Immediately Dangerous to Life or Health (IDLH) levels to Defense CBRN Response Force (DCRF) Units.

#### Capabilities

- ❑ When combined with an appropriate chemical protective mask, the CBRNF12B filter canister protects the face, eyes and gastro-intestinal tract of the wearer against known chemical and biological agents in aerosol, liquid and vapor form including: Nerve, Blister, Blood and Riot Control agents.
- ❑ The protection against many Toxic Industrial Chemicals (TICs) includes, but is not limited to: organic vapors with a boiling point over 65°C, chlorine, hydrogen sulfide, sulfur dioxide, formaldehyde, nitrogen dioxide, phosgene, phosphine and ammonia.
- ❑ The filter canister has been tested for particulate aerosols in accordance with NIOSH 42CFR84 P100 using hot dioctyl phthalate (DOP) aerosol at 85 l/min. The penetration through the canister was found to be less than 0.001% (1 in 105).
- ❑ The CBRNF12B also meets the performance requirements of European standard EN141, A1B2E1K1P3 specification. An appropriately marked CE variant is available (70010/23/1) which is approved to Personal protective equipment (PPE) directive 89/686/ EEC by TNO certification.

#### Users

US Army

#### Status

Sustainment

This Fact Sheet was cleared for public release on 8/2/2012.

Point of Contact: Chemical, Biological, Radiological, & Nuclear Information Resource Center (CBRN IRC), CBRN.IRC@us.army.mil,  
Toll Free: 1-800-831-4408, Commercial: (309) 782-7349, DSN: 793-7349, Fax: (309) 782-1919