CBRN Escape Respirator

CBRN APR Escape Flammability Concept

- ANSI/ISEA Air-Purifying Respiratory Protective Smoke Escape Device - Draft
- EN 136 Test Equipment
- No After Flame After 5 Seconds
- No Drip, Melt, Hole or Other Damage
CBRN Escape Respirator

CBRN APR Escape Donning Concept

- Donning Time Requirement
  - 30 Seconds
  - From Ready To Use Configuration
  - Ready To Use = Operational Package Prior To Use
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CBRN APR Escape Service Life Concept

- Rated Service Life 15, 30, 45, or 60 Minutes as Specified by the Manufacturer
- Rated Service Life Must Met For Each Test Representative Agent
CBRN Escape Respirator

Escaping Respirator Head Covering Concept

- The escape respirator shall be designed as a hooded device.
- The hood shall include an area for field vision and shall be compatible with wearing of glasses.
CBRN Escape Respirator

- Concept Issues To Be Addressed
- Human Interface Observations During Benchmark Testing
- Difficulty Donning Opening Neck Dam
- Choking From Tightness of Neck Dam
- Light Headedness & Headache
- Gag Reflex from Mouthpiece
- Visual Distortion from Fogging