

# DefendAIR®



Escape from chemical and biological agent exposure with DefendAIR® protection!



The DefendAIR® is designed for over 30 minutes or more of protection against toxic gases, including nerve/blood agents and tear gas that may be countered by civilians, law enforcement or emergency response personnel. The hood is easy and quick (less than 10 seconds) to don, especially in an emergency situation. Communication is clear since there are no mouthbits or nose clips required. It can be worn with glasses or by those who have long hair. With an integrated half mask, the wearer can breathe and speak normally to provide life saving instructions required in emergency situations. The hood system is designed to provide a 1000 protection

factor, effective filtering capability, and protection from CO<sub>2</sub> buildup.

Extensive testing such as shock and vibration, package impact tests, visor fogging tests and temperature tests ensure that the DefendAIR® is ready to use. DefendAIR® has an integrated combination canister. The canister's NIOSH approved P100 filter is the appropriate media for filtering biological, radiological and nuclear agents. Additionally, a layer of ASZM-TEDA carbon is included to filter gas and vapors (e.g. chemical warfare agents).

## TECHNICAL DATA

Hood System	Designed to provide 1000 protection factor
Hood Material	Tyvek Type F
Lens	Treated with anti-mist coating, 80% of natural field of vision is maintained
Neckseal	Soft, stretchable rubber
Weight	16 oz. in sealed container / 12 oz. ready to use
Packaged Dimensions	6.0 in. (153mm) diameter / 3.3 in. (84mm) high
Shelf Life	5 years in original sealed container
Storage Temperature	Not to exceed -4 °F to 140 °F (-20 °C to 60 °C)
Maintenance	No interval maintenance required while unit is maintained in original sealed container.
NIOSH Approved	TC-14G-0226 for CS/CN and P100

## SUMMARY OF TESTING:

### NIOSH

Challenge Agent	Concentration	Test Results
Tear Gas CS	3 ppm	>8 Hours Tear
Gas CN	16 ppm	>8 Hours
DOP	200 mg	Meets P100 Classification

### TNO NETHERLANDS

Challenge Agent	Concentration	Test Results
DMMP	1000 mg/m <sup>3</sup>	60 minutes
Sarin (GB)	1000 mg/m <sup>3</sup>	60 minutes
Cyanogen Chloride (CK)	500 mg/m <sup>3</sup>	60 minutes

### DRAEGER ADDITIONAL TESTING

Challenge Agent	Concentration	Test Results
Ammonia	500 ppm	30 minutes
Chlorine	1000 ppm	95 minutes
Carbon Tetrachloride	1000 ppm	70 minutes
Hydrogen Cyanide	1000 ppm	85 minutes
Sulfur Dioxide	500 ppm	115 minutes
Phosgene (CG)	1000 ppm	105 minutes

### ORDER INFORMATION

DefendAIR®	R54838
Training Unit	R55195
Carry Bag	4056748
Training Video	4056941
Training CD	4056942

Locally Represented By:



### SUBSIDIARIES

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