



AirBoss Defense
The Ultimate Protection

M96 Filter

CE Approval #2056
A2B2E2K1SXP3 D R



AirBoss Defense M96 CE filter has been tested against military, European and NIOSH protocols and found to be effective against various chemical warfare agents (CWA) and toxic industrial chemicals (TIC). This filter uses a mechanical filter to remove solid and liquid aerosols, such as biological agents and radiological particles. It also uses an activated, impregnated carbon to remove harmful gases and vapors. AirBoss Defense M96 CE filter is suitable for military and first responder use with an appropriate tight-fitting, full face gas mask. The filter protects against a wide range of warfare agents and contaminants including:

- Toxic Industrial Chemicals
- Blood agents (AC, CK, SA)
- Nerve agents (GA, G, GD, VX)
- Blister agents (HD, L)
- Tear agents (CN, CS, CR, OC)
- Choking agents (CL, PS, CG)
- Biological agents
- Radiological agents

This filter exceeds the performance requirements of European standard EN 14387 A2B2E2K1SXP3 D R specifications and is approved to PPE directive 89/686/EEC by Sai Global.

Technical Data

Certification	CE Certified to EN 14387 A2B2E2K1SXP3 D R in compliance with PPE directive 89/686/EEC
Part number	088881 / 70033
Shelf Life	10 years (in original foil packaging, store under recommended conditions)
Diameter	116 mm
Height	89 mm overall
Weight	380 g
Connection	40 mm threads (EN 148-1 and NATO compliant)
Body Material	Noryl® GFN1
Pressure Drop	<2.6 mbar and <9.8 mbar, measured at 30 L/min and 95 L/min (EN 14387)
Aerosol protection	P3 (EN 143)



ABD-M96 CE filter exceeds TIC breakthrough time requirements specified in EN 14387 for A2B2E2K1SX

Gas challenge	Class	Concentration (ppm)	Breakthrough Concentration (ppm)	Minimum required breakthrough time (minutes)
Cyclohexane	A2	5000	10	> 35
Hydrogen Sulphide	B2	5000	10	> 40
Hydrogen Cyanide	B2	5000	10	> 25
Chlorine	B2	5000	0.5	> 20
Sulphur Dioxide	E2	5000	5	> 20
Ammonia	K1	1000	25	> 50
Chloro cyanide	SX	2500	2.5	> 40
Chloropicrin	SX	5000	5	> 20
Phosgene	SX	5000	5	> 20

Tested under conditions prescribed by EN 14387 for A2B2E2K1SX

ABD-M96 CE filter exceeds CWA breakthrough time specified in military requirements

Gas challenge	Concentration (mg/m ³)	Flow Rate (lpm)	Relative Humidity (%)	Breakthrough Concentration (mg/m ³)	Minimum required breakthrough time (minutes)	Tested in accordance to
Chloropicrin (PS)	5000	30	80	5	27	QSTAG 695
Cyanogen Chloride (CK)	4000	30	80	5	55	MIL-DTL-32101A
Hydrogen Cyanide (AC)	4000	32	80	5	28	MIL-DTL-32101A
Phosgene (CG)	20 000	30	50	8	25	MIL-DTL-32101A
Sarin (GB)	4000	32	<15	0.04	83	MIL-PFR-51560C

Note that the breakthrough times reported in the tables above are the minimum required by the relevant standards. Actual filter breakthrough times under those tests conditions are higher. These breakthrough times are not actual service life. Actual service life depends on the chemical nature of the contaminants, its concentration, flow rate and environmental conditions. Please refer to user instruction for cautions and limitations.

This filter is export-controlled by the Department of Commerce, Bureau of Industry and Security. The Export Administration Regulations must be followed to determine if product can be exported to the country of end use.