



Suite 3 Level 1
10 Main Street Mount Annan NSW 2567

Ph: (02) 4645 7600
Email: products@sspa.net.au
Web: www.sspa.net.au

NOTE:

Product availability may vary from time to time,
This Catalogue should only be used as a guide, we are not able to list all the
products available from each manufacturer.



FM12_{CE}



Sales & Service :
SSPA +612 4645 7600



FM12

TRIED AND TRUSTED

The legendary FM12 mask is the most widely used respirator across the world by military and law enforcement organisations. Providing high levels of respiratory protection against CBRN agents and Toxic Industrial Materials, the FM12 has gained CE and NIOSH CBRN certification.



The FM12 is the standard issue respirator in a variety of countries, including the Netherlands, Norway Ireland and Denmark. In today's changing world, the increasing threat of terrorist attacks has lead to law enforcement agencies requiring CBRN respiratory protection. Due to its pedigree, ease of use and high protection levels, the FM12 now finds itself as an essential part of the armoury of a variety of agencies including the British Police force, Singapore Police, and Chicago Police Department.

FEATURES



USER COMFORT

- 3 sizes ensures best fit for all
- 6 buckle fit allows excellent seal, 4 buckles are pre-adjusted when fitted with 2 being adjustable to allow quick donning and doffing.
- Compatible with weapon sights and other optical devices.
- Flexible contoured face seal ensures compatibility with a variety of helmets and CBRN suits.
- Side mounted filter mount minimises interference – left or right mounting available for tactical specialists.
- High flow fail safe drinking device enables connection to a canteen or bladder type system.
- Internal mask design provides ideal airflow management minimising heat build-up and ensuring low re-breathed carbon dioxide.

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EYEPieces

- Low profile polycarbonate eyepieces
- Optimal light transmission and optical clarity
- Impact and scratch resistant
- Sight correction available

FILTRATION

All filter connections are via the 40mm standard NATO thread.

- Full NIOSH CBRN Cap1 Filter - CBRNF12
- CE approved (technical file) for the widest range of potential chemical, biological and radiological agents CBRNF12CE
- NIOSH approved riot agents filter (CS/CN/P100) – CTF12
- NATO CBRN filter – AMF12

COMMUNICATIONS

- Speech horn allows clear direct communication through exhale valve.
- Secondary speech transmitter (SST) enables use of communications equipment.

CERTIFICATION

Model	Certification
FM12 Twin Port	NIOSH 42CFR84 Riot Control Filter
CBRNF12 Single Port	NIOSH CBRN APR CAP1 CBRN Filter
CBRNF12 Single Port	NIOSH 42CFR84 Riot Control Filter
CBRNF12 Single Port	CE 89/686/EEC Technical File

- FM12 with AMF12 filter meets requirements of the NATO respirator Triptych as assessed by TNO Netherlands.

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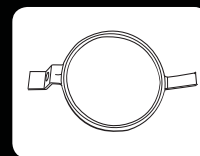


FM12 Accessories

VISION



OUTSERTS



MONOCLES

STORAGE AND CARRIERS



UNIVERSAL CARRIER

HYDRATION



CANTEEN (W/CAP)

PAPR SPARE PARTS



C420 PAPR BLOWER KIT

MASK HOODS



TACTICAL HOOD

FM12 Technical Data

Filter Specifications / Applications			
Filter	Classification	Application	Weight (approx)
CTF12	CS/CN/P100	All particulate hazards including dust, mist, fume, bacteria and virus, plus riot agents, CS/CN/OC and low level organic vapours.	200g
CBRNF12CE	TECHNICAL FILE (89/686/EEC) 1. EN14387:04 Toxic Industrial Materials A1 B2 E1 K1 P3D 2. CBRN (meets NIOSH Cap1) 3. NBC agents (nerve, blood, choking)	Classification for industrial and CBRN applications. All particulate hazards including dust, mist, fume, bacteria and virus plus all NIOSH specified CBRN test agents. NBC agents including nerve, blood, choking and blister agents.	340g
AMF12	NATO NBC	Chemical, biological and radiological warfare agents in accordance with NATO requirements. Also certain toxic industrial chemicals such as chlorine, hydrogen sulphide, sulphur dioxide and organic vapours, with a boiling point of above 65°C.	270g

System Technical Data (with CBRNF12 filter)		
Parameter	Requirement	FM12 performance
NIOSH Smartman RLAT system agent performance - HD	Permeation less than 3 mg-min/m ³	Permeation less than 0.1 mg-min/m ³
NIOSH Smartman RLAT system agent performance - GB	Permeation less than 1.05 mg-min/m ³	Permeation less than 0.07 mg-min/m ³
Laboratory protection factor performance (sodium chloride)	Greater than 2,000	Greater than 10,000
Re-breathed CO ₂	Less than 1%	0.76%
Inhalation resistance at 85 l/min (with CBRNF12 canister)	Less than 65 mm WG	Less than 55 mm WG
Weight of canister	Less than 500 gram	Approx 340 gram
Total weight mask and canister	N/A	Approx 790 gram
Field of view (NIOSH Visual Field Score)	Greater than 90	97

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PROTECTING THE FUTURE

Sales & Service :
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C50

THE NEW GENERATION

DEDICATED TO DEFENCE



AVON
PROTECTION

C50

THE NEW GENERATION

DEDICATED TO DEFENCE



The C50, Avon Protection's latest full face mask offers high protection, outstanding field of vision and superior comfort. The innovative design features optimise the user's time in the operational area, whether it's for battlefield CBRN protection, specialist law enforcement or counter terrorism operations. With the appropriate filter the C50 protects against a range of CBRN threats including chemical warfare agents, toxic industrial chemicals (TICS), toxic industrial materials (TIMS), biological and radiological hazards, and riot agents.

C50



UNIQUE VISOR TECHNOLOGY

- Unique polyurethane visor is highly flexible plus scratch and impact resistant
- Fully optically correct across the whole field of view
- Panoramic visor design gives excellent field of vision and wearer recognition whilst greatly enhancing compatibility with weapon sights
- The Vision Correction System allows prescription lenses to be mounted inside the mask
- Clear outserts for extreme environments
- Sunlight outserts for high intensity light situations
- BlueBlocker outsert delivers sharper images by filtering out specific light wavelengths
- Laser outserts for protection against specific wavelengths

AIR FLOW MANAGEMENT

- Heat build up minimised
- Low re-breathed carbon dioxide
- Low inhalation resistance
- Excellent de-mist properties

USER COMFORT

- Lightweight with a slim profile – ensures mask is comfortable over long periods in the field
- Quick donning in under 9 seconds due to the pre-adjusted buckles
- 3 sizes providing secure and comfortable fit for all facial shapes and sizes
- Compatibility with helmets and CBRN protective clothing is improved due to the low profile, close contour brow, flat buckles and extended chin flap
- Filter canisters are side mounted on either left or right side minimising interference and allowing improved capability for shoulder mounted devices
- The chloro-butyl/silicone blend face piece material ensures the mask is not only high in protection but also provides a better seal and is more comfortable to wear for extended periods
- High flow fail safe drinking device, allows connection to either a canteen or bladder type hydration system

COMMUNICATION

- Front mounted exhale valve allows clear direct communication
- For enhanced communication, an optional Voice Projection Unit (VPU) with internal microphone is easily connected via the Electronic Communication Port (ECP)
- Additional external communication systems can be attached via this ECP using an appropriate lead



SPARES & ACCESSORIES

- Easy to maintain with simple access to key spare components such as valves
- Standard Avon accessories available; such as hydration canteens, Vision Correction System, clear and sunlight outsert lenses and a range of storage and carry bags

CERTIFICATIONS



- C50 single filter port mask is CE certified for use in a CBRN environment (Article 10 certificate number C07-6401)



- The C50 twin port mask is NIOSH CBRN Cap 1 approved with the CBRNF12B filter (TC-14G-0285) and NIOSH 42 CFR 84 riot control CS/CN/P100 approved with the CTF12 filter (TC-14G-0278)
- The C50 meets the latest NATO military requirements

C50 Accessories

VISION



CLEAR OUTSERT
ASSEMBLY



BLUEBLOCKER OUTSERT
ASSEMBLY



SUNLIGHT OUTSERT
ASSEMBLY



LASER OUTSERT
ASSEMBLY



VISION CORRECTION
ASSEMBLY

STORAGE AND CARRIERS



UNIVERSAL CARRIER

MASK HOODS



TACTICAL HOOD

GAS MASKS / RESPIRATOR CARRIERS



GAS MASK CARRIER

(belt)

C - 20630

Colour: Black

Size: 25.0 cm (H) x 25.0 cm (W)
9.84" (H) x 9.84" (W)

- Ideal for carrying various models of respiratory and spares.
- Padded sides for added protection
- Twin quick release straps (adjustable) fastens and secures
- 2 way Velcro fastening with press stud locking feature (fits horizontally or vertically)

GAS MASK CARRIER

(thigh)

C - 20631

Colour: Black

Size: 25.0 cm (H) x 23.0 cm (W)
9.84" (H) x 9.06" (W)

- Ideal for carrying various models of respiratory and spares.
- Adjustable belt to thigh extension strap with QRS (quick release system)
- Carrier can be worn on standard belt also, totally universal in carrying positions options.
- Velcro release strip fastens and secures the carrier
- 2 rubberised/Velcro thigh fastening straps fastening with mini QRS



GAS MASK CARRIER

(waist/ thigh)

G - M17 - 30

Colour: Black

Size: 25.0 cm (H) x 25.0 cm (W)
9.84" (H) x 9.84" (W)

- Ideal for carrying various models of respiratory and spares.
- Fixed waist and thigh straps sewn to the carrier, yet still adjustable to suit various sizes.
- Twin quick release straps (adjustable) fastens and secures the carrier.



C50 Technical Data

Filter Applications			
Filter	Part Number	Classification	Application
CSCF50	72601/71/4	Riot Control	All particulate hazards including dust, fume, bacteria and virus, plus riot agent CS (meets 8 hour NIOSH test standards) and CN (< 1 hour against NIOSH test standards).
GPCF50	72601/70/2	NATO CBRN	Chemical, biological and radiological warfare agents in accordance with NATO requirements. Also certain toxic industrial chemicals such as chlorine, hydrogen sulphide, sulphur dioxide and organic vapours, with a boiling point of above 65°C.
CTF12	70010/19/2	NIOSH Approved 42 CFR 84CS/CN/P100	All particulate hazards including dust, mist, fume, bacteria and virus, plus riot agents, CS/CN/OC and low level organic vapours. SOON TO BE DISCONTINUED***USE CTCF50 FILTER***
CBRNF12CE	70010/23/1	CE Approved EN14387:04 A1 B2 E1 K1 P3	Dual classification for industrial and CBRN applications. All particulate hazards including dust, mist, fume, bacteria and virus plus all NIOSH specified CBRN gases and vapours including nerve, blood, choking and blister agents and toxic industrial materials.
AMF12	70010/18	NATO CBRN	Chemical, biological and radiological warfare agents in accordance with NATO requirements. Also certain toxic industrial chemicals such as chlorine, hydrogen sulphide, sulphur dioxide and organic vapours, with a boiling point of above 65°C.

C50 Single Filter Port Mask (CE Certified)	
Description	Part Number
C50 Mask Assembly RH LGE	70501/193
C50 Mask Assembly RH MED	70501/194
C50 Mask Assembly RH SML	70501/195
C50 Mask Assembly LH LGE	70501/199
C50 Mask Assembly LH MED	70501/200
C50 Mask Assembly LH SML	70501/201

C50 Twin Filter Port Mask	
Description	Part Number
C50 Mask Assembly Twinport LGE	70501/205
C50 Mask Assembly Twinport MED	70501/206
C50 Mask Assembly Twinport SML	70501/207

* The C50 Twin Filter Mask is not CE approved.

THE EXPORT OF THE COMMODITIES DESCRIBED HEREIN MAY BE SUBJECT TO U.S EXPORT LAWS AND REGULATIONS INCLUDING BUT NOT LIMITED TO THE ARMS EXPORT CONTROL ACT OR THE EXPORT ADMINISTRATION ACT.

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Technical Data		
CBRN Agent Resistance	Requirement	C50 performance
Mustard (H) Sarin (GB) Soman (GD) VX	36 hours	Greater than 36 hours
Laboratory protection factor performance (sodium chloride)	2,000	Greater than 10,000
Re-breathed CO ₂	Less than 1%	0.8%
Inhalation resistance at: 30 l/min 95 l/min 160 l/min	5 mm WG 15 mm WG 25 mm WG	3 mm WG 13 mm WG 23 mm WG
Exhalation resistance at 160 l/min	30 mm WG	15 mm WG
Mask weight	N/A	490 gram
NIOSH Visual Field Score (VFS)	90	96

ALL TECHNICAL DATA FROM INDEPENDENT TESTS. CE CERTIFIED BY TNO NETHERLANDS.



PROTECTING THE FUTURE