

Avon Protection - Cadillac MI

Avon Protection - Baltimore MD

Avon Protection - Melksham UK

Avon ISI - Lawrenceville GA

Military Masks
& Filters

R&D & Government
Program Support

Masks & Hoods

SCBA



PROTECTING THE FUTURE
www.avon-protection.com



C50 Protective Mask

New Equipment Training





PROTECTING THE FUTURE
www.avon-protection.com

Avon Protection Systems, Inc. - Our History

Avon Rubber p.l.c, our UK parent company, has manufactured high-performance rubber products since **1885**.

Established in Wiltshire, England, Avon Rubber (trading as AVON on the London Stock Exchange) is a worldwide provider of superior respiratory protection, dairy and defense industry products.

In response to its award of the JSGPM program by the US Department of Defense, Avon divested of the automotive, aerosol gaskets and product mixing business units to focus primarily on the Respiratory Protection and Dairy products.





PROTECTING THE FUTURE
www.avon-protection.com

Our Mask Pedigree



WW1



WW2



WW2



1st Gulf War
Falklands Conflict





PROTECTING THE FUTURE
www.avon-protection.com

JSGPM/M50

Replaces 3 legacy masks



MCU2P



M17



M40

- ✓ Improved vision
- ✓ Improved comfort
- ✓ Improved fit
- ✓ Improved protection factor
- ✓ Improved communications
- ✓ Improved compatibility

“One mask for all DOD users and missions”



PROTECTING THE FUTURE
www.avon-protection.com

50 Series - Timeline of Key Program Events

Oct 19, 1998

**Development Program
Start**

Mar 30, 2000

**PDRR
Contract
Award**

Apr 4, 2002

**System Demo
Option Award**

Q4 2005

**LRIP Option
Award**

January 2006

FRP Decision

JSGPM/M50 Mission:

Provide Face, Eye and Respiratory Protection from Battlefield Concentrations of CB Agents, Toxins, Toxic Industrial Materials and Radioactive Particulate Matter

User Groups -All Services - Replaces Current M40/M42 and MCU-2/P Series Protective Masks

Current Status:

- In Full Rate Production
- 300,000 systems delivered to date (>50,000 C50's)
- Product fielded to US Armed Forces in NA, Guam, Turkey, South Korea, UK
- Mask Capacity currently @ 300,000 units/year

C50 is the NIOSH approved variant



NIOSH Protection Factor Triangle

Triangle of Respiratory
Protection



C50



SYSTEM	NIOSH TC Number
C50 / C50 Twin Port and CTF12 filter	TC-14G-0278
C50 / C50 Twin Port and CBRNF12 filter	TC-14G-0285
C50 / C50 Twin Port and CBRNF12B filter	EARLY 2010
FM53 and CTF12 filter	TC-14G-0304
FM53 and CBRNF12	EARLY 2010
FM53 and CBRNF12B filter	EARLY 2010
C420 PAPR with C50 mask and CBRNF12B filter	TC-14G-0294
C420 PAPR with CBRNFM12 mask and CBRNF12B filter	TC-14G-0293
ST53 SCBA	TC-13F-577, 2216 psi, 30 min TC-13F-578, 4500 psi, 30 min TC-13F-579, 4500 psi, 45 min TC-13F-580, 4500 psi, 60 min

Comfort Harness

- Low profile brow pads eliminate pressure points
- Lycra material for comfort
- Machine washable

User Benefits

- Delivers easy donning and secure fit to head
- Discomfort from helmet integration resolved

Unique 1-piece Visor

- Flexible, distortion free Polyurethane visor
- No yellowing / aging issues
- Triple bonded, will not delaminate
- Scratch resistant, self healing

User Benefits

- Mask can be folded in half for quick storage
- Distortion-free vision for weapons sighting
- Visor profile integrates with all ballistic helmets



Fewer Replacement Parts

- Speak through exhale valve
- No speech diaphragm
- No nose cup check valves
- Common inlet/outlet valves

Fail Safe Drinking

- Highest flow rates
- Triple valve system
- Fits canteens and bladders

User Benefits

- Easy drinking while on the move
- Mask operable if external drinks tube damaged
- Mouthpiece stows away when not in use

Communications Port

- Unique integrated connector
- Designed for voice amplifier and radios

User benefits

- Clear communication for crowd control and team instructions.
- Available comms lead works with existing 2 way radios



Simple Outserts

- Increased ballistic protection
- Distortion free
- Additional scratch resistance
- Flexible, lightweight
- Various light filters

User Benefits

- User can fit and remove outsert unaided
- 'Rip Away' cover if user is sprayed with paint/dirt
- Flexible visor allows user to fold mask for storage

Filter Options

- LH & RH 40mm filter mounts
- Accepts traditional and conformal filters

User Benefits

- Easily configured for LH or RH wearers
- Lower inventory cost
- Close fit conformal filters protrude less



Suit / Hood Interface

- Integrated beard for compatibility with suits
- No second skin required

User Benefits

- Excellent fit with NFPA suits
- Added throat protection

3 Mask Sizes Available

- Fits 2% - 98% of population
- Butyl/Silicone faceblank material blend
- Don in <9 seconds from carrier

User Benefits

- High levels of comfort, no need to over-tighten
- Only 2 straps to adjust
- Pliable mask accommodates all face shapes

Low Cost of Ownership

- Common inlet/outlet valve
- Minimum replacement parts
- Validated for >10 years

User Benefits

- Lower inventory cost
- Requires only basic user maintenance
- Common parts with FM53