



Product Portfolio





Avon Protection is recognized as a world leader in respiratory and ballistic protection, delivering life critical solutions for Militaries and First Responders worldwide.

As an innovative capability provider, we understand the unique requirements of the modern warfighter and tactical operator. This depth of specialization and understanding has ensured products are designed to protect our users in the most extreme of environments.

We have been supplying protection solutions to the UK Ministry of Defence and other allies since the 1920's and are a primary supplier of integrated protective equipment to NATO and the United States Department of Defense Army, Navy, Marines, Air Force and Special Operations Forces.

Our solutions are at the frontline of numerous national defense and tactical deployment strategies. Leveraging our Military pedigree, we have brought the First Responder market field proven protection solutions that meet the complex needs of the tactical operator. Evolving protection capability to meet the operational needs of the tactical operator has meant Avon Protection are the market leader among Law Enforcement and SWAT users around the world.





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ADVANCE

FM50

Developed with the US Department of Defense, the FM50 is the next generation of Avon Protection's CBRN full face masks. Specifically designed to meet the latest military mask requirements, the FM50 delivers the lowest profile CBRN twin filter system on the market.



COMMUNICATION

- Electronic Communication Port (ECP) allows a Voice Projection Unit (VPU) to be safely connected in a CBRN environment to an internal microphone.
- Additional communication systems can be attached via this ECP using an appropriate lead.

FILTRATION

- Twin filter design significantly reduces breathing resistance and improves weight distribution.
- Bayonet fit provides quick and efficient filter attachment.
- Filters can be replaced without breaking the protective seal through self sealing valves.

USER COMFORT

- Available in 3 sizes.
- Chlorobutyl rubber and silicone blend giving the mask a high degree of flexibility and comfort for extended use.
- Reflex seal with low profile brow for helmet compatibility.
- Extended chin flap for CBRN garment compatibility.
- High flow fail safe drinking device enables connection to a canteen or bladder type system.

VISION

- Unique polyurethane visor is highly flexible plus scratch and impact resistant.
- Fully optically correct.
- Panoramic visor design gives maximum field of vision and wearer recognition.

- Over 3.5 million 50 series respirators issued.



FM53

The 'first to market' combination respirator, developed to meet the technically advanced needs of global special forces, the FM53 delivers positive pressure SCBA, PAPR and negative pressure capability. All of these capabilities are available from one mask platform without the need to change components.



COMMUNICATION

- Electronic pass-through for external radio use.
- Electronic Communication Port (ECP) allows a Voice Projection Unit (VPU) to be safely connected in a CBRN environment to an internal microphone.

INTEGRATION

- Mask integrates with NFPA Class 2 and 3 suits.
- Reduced buckle size for suit/helmet integration.
- Extended chin flap for CBRN garment compatibility.

MULTIPLE MODES

- Functions as both a negative and positive pressure mask.
- VREU lever for easy switching between negative and positive pressure modes.

USER COMFORT

- Available in 4 sizes.
- Interchangeable silicone nose cups for custom fit.
- Low profile design for superior weapons integration.
- Unique polyurethane visor is highly flexible plus scratch and impact resistant.

- When the user needs to adapt to ever changing operational conditions.



FM54

Building on the proven pedigree of the FM53, the Avon FM54 delivers enhanced flame hardening, coupled with improved passive speech performance, the FM54 provides Specialist Operators maximum level of protection to the face, eyes and respiratory tract from CBRN, Riot Agents, TICS and Toxic Industrial Materials while maintaining extreme user flexibility.



COMMUNICATION

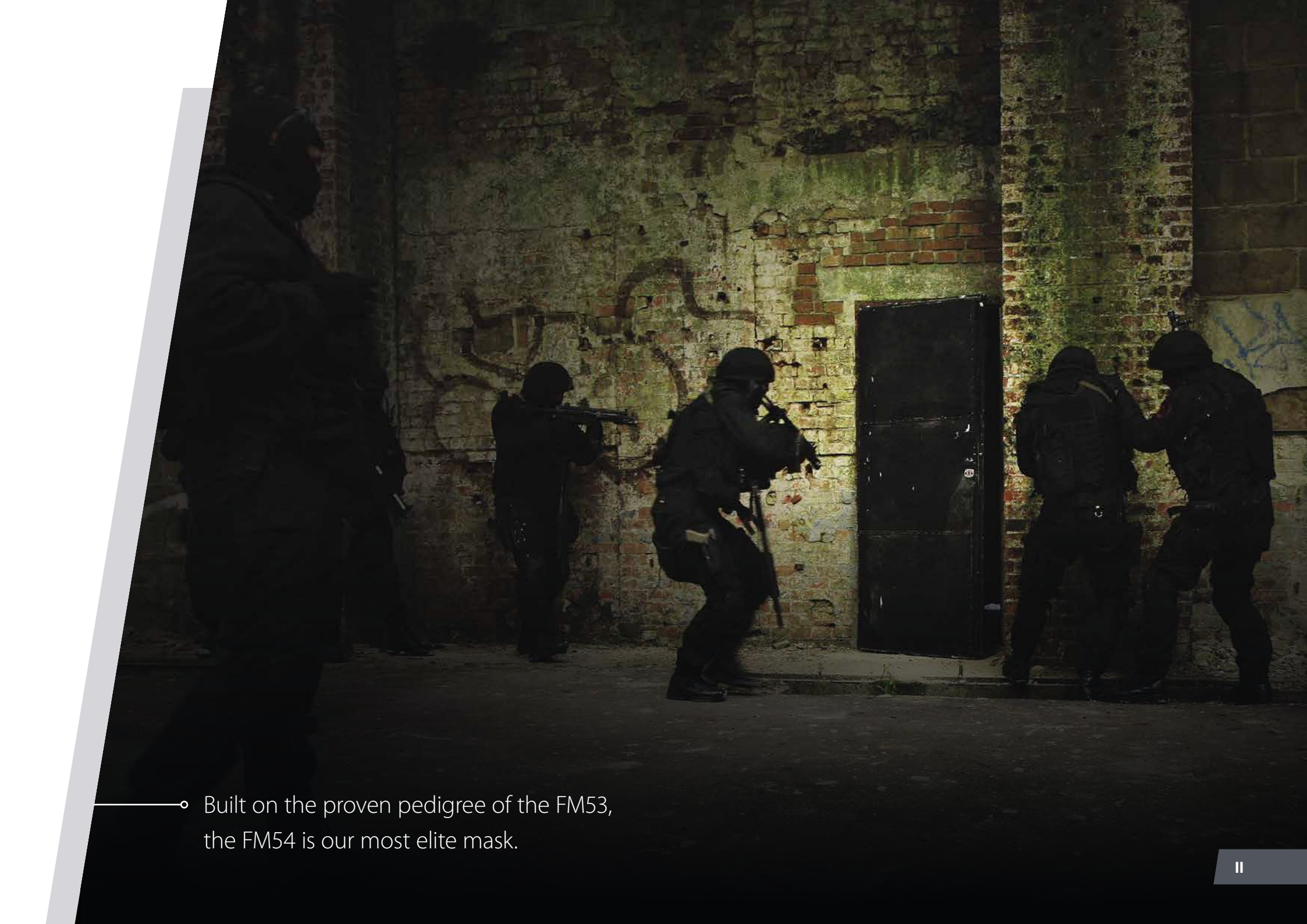
- Electronic Communication Port (ECP) allows a Voice Projection Unit (VPU) to be safely connected in a CBRN environment to an internal microphone.
- Additional communication systems can be attached via this ECP using an appropriate lead.

USER COMFORT

- Available in 4 sizes.
- Chlorobutyl rubber and silicone blend giving the mask a high degree of flexibility and comfort for extended use.
- Reflex seal with low profile brow for helmet compatibility.
- Extended chin flap for CBRN garment compatibility.
- High flow fail safe drinking device enables connection to a canteen or bladder type system.

VISION

- Unique polyurethane visor is highly flexible plus scratch and impact resistant.
- Fully optically correct.
- Panoramic visor design gives maximum field of vision and wearer recognition.

- 
- A photograph showing five tactical operators in silhouette against a weathered brick wall at night. The operators are wearing helmets and carrying rifles. One operator is in the foreground on the left, partially cut off. Two others are in the middle ground, one aiming a rifle. Two more are on the right, near a dark door. The scene is dimly lit, with some light reflecting off the brick wall.
- Built on the proven pedigree of the FM53, the FM54 is our most elite mask.

ST53

The ST53 combines Avon Protection's FM53 mask technology with a lightweight, scalable, tactical SCBA set. The system can be combined with AvonAir to deliver adaptable protection factor through positive pressure, powered air and negative pressure modes from a single unit.



COMPACT DEMAND VALVE

- 1st breath activated for 'instant on'.
- Rugged, compact design delivers high flow rates.
- Screw-on-design allows for DIN 40 thread filters.

GAUGE AND WHISTLE


- Located on shoulder straps for easy access.
- Positioned for high noise environments and easy gauge reading.
- Illuminated gauge for low-light situations.

STEALTH DESIGN

- Black low profile design.
- Lightweight compared to traditional SCBA units.
- Silent operation for critical missions.

USER COMFORT

- Ergonomically contoured backframe for comfort.
- Adjustable harness allows for quick donning/doffing.
- Padded shoulder straps for comfort.
- Low profile backframe.
- Cylinder sizes available.

- 
- A photograph of a dark, abandoned interior space. In the center, there is a large, arched window with a metal frame and a wooden door below it. The walls are peeling and damaged, and the floor is covered in debris. The lighting is dim, creating a somber and hazardous atmosphere.
- The most advanced flexible multi-mode CBRN respiratory solution.

ST53^{SD}

Developed for high activity, dynamic operations, the ST53SD is the most advanced, lightweight CBRN respiratory solution on the market. It enables a fast response to changing operational conditions in one complete modular system for short-term tactical operations.



COMPACT DEMAND VALVE

- 1st breath activated for 'instant on'.
- Rugged, compact design delivers high flow rates.
- Screw-on-design allows for DIN 40 thread.

GAUGE AND WHISTLE

- Option of either a remote whistle and pressure gauge or a single pressure gauge attached directly to the regulator body.

STEALTH APPEARANCE

- Black low profile design.
- Silent operation for critical missions.

USER COMFORT

- 1 or 2 litre cylinder options.
- Excellent integration with other personal equipment.

- The world's smallest, most compact CBRN hardened demand valve.



ST54

Optimised for use by the most demanding of tactical operators, Avon Protection's state-of-the-art ST54 Tactical Operator SCBA is the base to a multi-mission Respiratory Protection System which provides for operational flexibility to the operator and mission commanders in the field coupled with exceptional comfort and durability.



USER COMFORT

- The most comfortable Tactical SCBA set we've ever made.
- Broad padded shoulder straps.
- Ergonomic back frame.

DURABILITY

- High quality, quick release Cobra® buckles.
- Two piece composite back frame.
- Non locking black painted brass cylinder valve.

USABILITY

- Low profile black, tactical design (stealth).
- Easy access chest mounted pressure gauge.
- Ability to silence alarms for critical missions.

COMPACT DEMAND VALVE

- Worlds smallest, most compact chemically hardened demand valve.
- Can mount either side of respirator for class leading integration with tactical gear and weapons.

- 
- Enhanced multi-mission tactical operator SCBA

AVONAIR

INTEGRATION SYSTEM

AvonAir is revolutionising the CBRN environment, delivering user configurable modules, adaptable protection factor, increased time on task, reduced physiological burden and lowest cost of ownership, through the systems lifetime. AvonAir is built around four flexible and adaptable modules; EZAir, MP-PAPR and CS-PAPR. Common to the range is Avon's intelligent EZAir blower motor, which automatically adjusts its flow rate, depending on the number of available filters and the system configuration.

This patented design delivers maximum operational flexibility through interchangeable components, allowing for rapid selection between breath assist, powered air and self-contained breathing apparatus as the mission dictates. In addition to adaptable protection factors, the AvonAir range also delivers a number of benefits to the wearer including a cooling effect from the powered air, compatibility with our high flow hydration system and a wide range of carriage options, to ensure that the user is able to optimally distribute AvonAir, depending on mission loads. Included within the AvonAir patented design is our unique hose management technology, delivering outstanding levels of comfort, unrestrained movement and crushproof hosing to maintain operator agility, superior weapons sighting, integration of mask worn communications systems and compatibility with the widest range of helmet and body armour options including EOD, riot control and tactical vests and helmets.

AvonAir places the user at the core, delivering a substantially smaller, lighter and quieter scalable protection system, that is ergonomically adaptable to meet the needs of the operator and the mission.



THE FIRST ADAPTABLE POWERED AIR SYSTEM

AVON
EZAIR®



AVON
MP-PAPP™



AVON
CS-PAPP™



EZAIR

Avon EZAir is the newest generation of single filter airflow system, substantially smaller and lighter than traditional powered air units. Avon EZAir also provides the adaptable smart motor for all configurations of the AvonAir range.



CONTROL SYSTEMS

- Automatic flow control adjusts to filter type.
- Low flow and battery alarms alert.
- Dual speed function – automatically increases flow rate.

INTEGRATION

- Integrated MOLLE panel and belt options.
- S-Shape hose with crush proof technology delivers superior integration.

MATERIAL TECHNOLOGIES

- One size lightweight and flexible hose.
- Crush proof hose with dual wall construction.
- Military pedigree plastics used for superior resistance.

OPERATIONAL FLEXIBILITY

- Battery life up to 8 hours.
- Constant flow rate through filter reduces inhalation resistance.
- Hot swap battery for rapid exchange.
- Multiple mounting options.

- The smallest and lightest breath assist.



MP-PAPR

A departure from traditional rigid plastic construction systems, the Avon multi-position PAPR is the world's first flexible powered air unit, constructed from the same field proven chlorobutyl rubber, as used for the Avon 50 series mask range.



CONTROL SYSTEMS

- Automatic flow control adjusts to filter type.
- Low flow and battery alarms alert.
- Dual speed function – automatically increases flow rate.

INTEGRATION

- Ergonomically back mounted carrier system with integrated hydration option.
- Integrated MOLLE panel and belt options.
- S-Shape hose with crush proof technology delivers superior integration.

MATERIAL TECHNOLOGIES

- One size lightweight and flexible hose.
- Crush proof hose with dual wall construction.
- Military pedigree plastics used for superior resistance.

OPERATIONAL FLEXIBILITY

- Battery life >8 hrs running at a flow rate of 120lpm.
- Constant flow rate through filter reduces inhalation resistance.
- Hot swap battery for rapid exchange.
- Increased protection factor up to 5 times more than APR.

- 
- The world's first scalable and flexible powered air unit.

CS-PAPR

The Avon combination system is the newest generation of modular CBRN Powered Air Purifying Respirator (PAPR). Designed for use with Combination Unit Respirators (CURs) the CS-PAPR enables the user to select the level of protection dependent on the threat, providing increased duration on target and safer operation.



AUTO FILTER COVERS

- Quick fit onto existing Avon MP-PAPR filter mount.
- Pneumatically operated by the combination hose.
- Indicator for status updates.
- Integrated rubber impact bumper.

COMBINATION HOSE


- Press and turn rotary selector prevents accidental actuation.
- PAPR automatically powered up/down when selector rotated.
- Ability for user to switch modes in one simple action.
- 'Fail-Safe' pneumatic operation of hose.

INTEGRATION

- Optional carrier module allows wearer to rapidly remove SCBA portion.
- Crush resistant 'S-Shape' hose with low profile hose end.

OPERATIONAL FLEXIBILITY

- Re-configurable to work as Avon EZAir or MP-PAPR.
- Quick connect interface delivers 'Dry-Decon' filter option.
- Short duration escape cylinders integrate with CS-PAPR.

- 
- A photograph of two tactical operators in a smoky environment. The operator on the right is wearing a helmet with a night vision device and is holding a flashlight. The operator on the left is wearing a gas mask and is holding a rifle. They are both wearing dark tactical gear and are surrounded by thick white smoke.
- Adapt the protection to meet the threat in seconds.

MCM100

The MCM100 is a configurable platform to meet multiple military Underwater Breathing Apparatus (UBA) requirements. It is a fully closed circuit, electronically controlled, mixed gas rebreather CE tested to 100m, suitable for a large range of military or tactical diving disciplines such as Mine Countermeasure (MCM), Explosive Ordnance Disposal (EOD) shallow or deep, Mine Investigation and Exploitation (MIE) and Special Operations Forces (SOF).



ADVANCED ELECTRONICS

- Multiple redundant electronics and rechargeable batteries.
- Advanced digital oxygen sensors with voting logic and 'bad sensor' removal.
- Moisture tolerant carbon dioxide sensor.
- Data acquisition facility with Bluetooth capability.
- Backlit colour handset with automated pre-dive and command based alarms.

EASY BREATHING

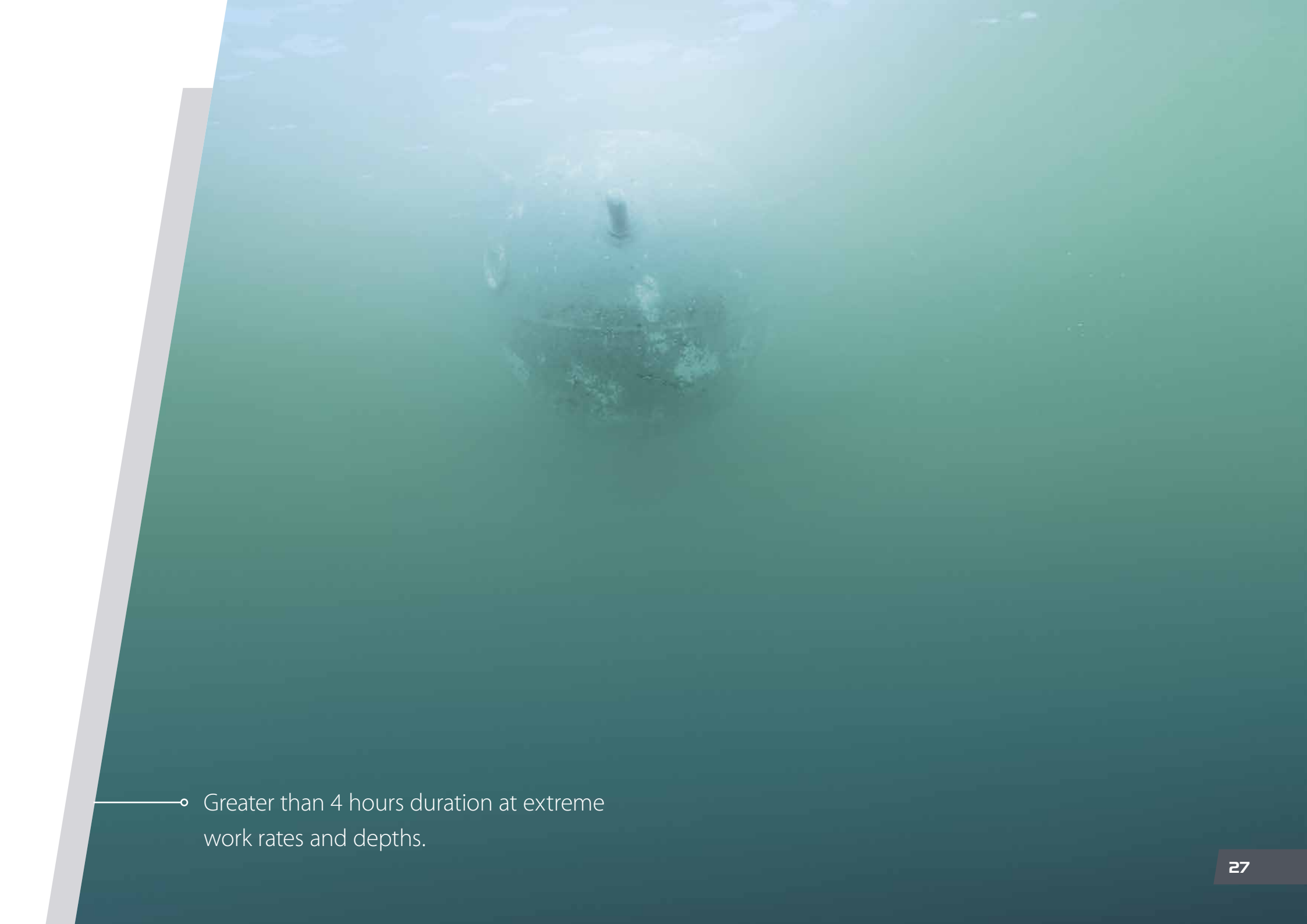
- Extremely low work of breathing (WOB).
- High-performance open circuit Bailout valve (BOV) as standard.
- Automatic diluent gas addition valve.
- Manual diluent and oxygen gas bypass valves.

OPERATIONAL FLEXIBILITY

- High pressure composite cylinders as standard.
- Water tolerant breathing circuit and water removal systems.
- Three carbon dioxide absorbent cartridge options.
- Reduced mission set up time.

STEALTH TECHNOLOGY

- A discreet LED Heads up Display (HUD) indicating equipment status.
- Low magnetic signature and low noise.

- 
- Greater than 4 hours duration at extreme work rates and depths.

XBS

The XBS is specifically designed to provide additional off-board open circuit bailout for divers operating the MCM100 rebreather, delivering improved functionality through the use of a quick disconnect system and enhancing diver safety at depth.



SIMPLE OPERATION

- Change over valve to switch between gases without having to disconnect.
- Quick disconnect system for rapid low-pressure connection with the MCM100's open circuit bailout-out valve mouthpiece system.
- Unique Quick Connect/Disconnect coupling that allows the diver to easily connect to the XBS system with minimal force, no matter what depth the diver is at.

OPERATIONAL FLEXIBILITY

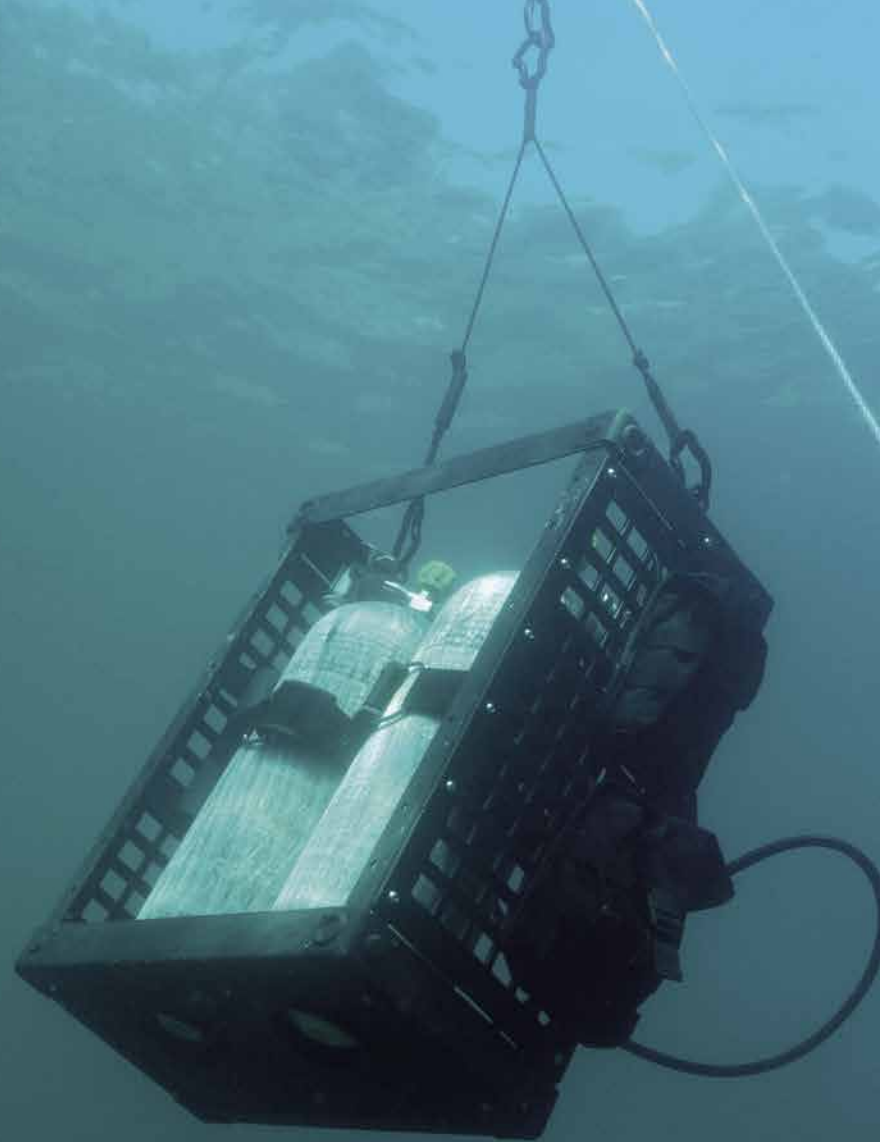
- Option to have two different gas mixtures to aid decompression and improve diver safety.
- Optional low pressure ports for additional second stage regulators.
- Cylinders can be configured for oxygen, air or mixed gas use.

TACTILE & ROBUST DESIGN

- Low profile matte black military finish case and high performance, robust marine grade stainless steel frame.
- Robust flight case for transport and storage.
- Large tactile valve handle for use in cold temperatures and reduced visibility.

HIGH PRESSURE CYLINDERS

- Large independent twin 10 litre, high-pressure cylinders for extended duration.
- Individual cylinder high pressure contents gauges.
- Pressure relief valves for automatic and manual venting of gas from depth.



- External Breathing System (XBS) supporting extended military diving operations across a range of depth/time profiles.

APPLICATIONS

Applications	Sub-Applications	FM50	FM53	FM54	ST53	ST53SD	ST54	MCM100	XBS	EZAIR	MP-PAPR	CS-PAPR
Military Operations	Aircrew Protection	●	●	●								
	Decontamination	●	●	●						●	●	
	EOD & Search (Land)	●	●	●	●	●	●			●	●	●
	EOD & Search (Sea)	●	●	●	●	●	●			●	●	●
	Fixed Site Protection	●	●	●						●	●	
	Generalist CBRN	●								●	●	
	Mine Clearance (Sea)							●	●			
	Specialist CBRN		●	●	●		●			●	●	●
Counter Narcotics Operations	Counter Smuggling & Search (Land)		●	●	●	●	●				●	
	Counter Smuggling & Search (Sea)		●	●	●	●	●				●	●
	Deep Rummage & Search		●	●		●				●	●	●
	Drug Enforcement		●	●	●	●	●			●	●	●
	Illicit Drug Laboratories		●	●	●	●	●			●	●	●
Special Operations	Breaching & Entry Teams		●	●		●					●	●
	Combat Diver							●				
	Counter-Piracy	●	●	●	●	●	●			●	●	●
	Counter Proliferation		●	●	●	●	●			●	●	●
	Covert Operations		●	●	●	●	●	●				
	Hostage Rescue	●	●	●	●	●	●			●	●	●
	VIP Protection		●	●						●	●	

● Optimised for the application. ● Appropriate for the application. More applications / products on pages 56-57 and 66-67.

Applications	Sub-Applications	FM50	FM53	FM54	ST53	ST53SD	ST54	MCM100	XBS	EZAIR	MP-PAPR	CS-PAPR
Law Enforcement Operations	Border Protection	●	●	●	●	●	●			●	●	●
	Correction Facilities	●	●	●	●	●	●			●	●	●
	Crowd Control	●	●							●	●	
	First Responders	●	●							●	●	
	Specialist CBRN		●	●	●	●	●			●	●	●
	Specialist Fire Arms	●	●	●	●	●	●			●	●	●
First Responders	HAZMAT		●	●						●	●	●
	Carbon Monoxide Protection		●	●	●	●	●				●	●
	Disaster Relief		●	●	●	●	●			●	●	●
	Emergency Preparedness		●	●		●				●	●	
	Mine Rescue		●	●	●	●	●					●
	Nuclear Decontamination	●	●	●		●				●	●	
	Search and Rescue		●			●		●	●		●	
Critical National Infrastructure Protection	Embassy	●	●			●				●	●	
	High Value Sites	●	●			●				●	●	
	Nuclear Sites & Decommissioning	●	●							●	●	
	Oil & Gas									●	●	
	Power Facilities									●	●	
	Transport Infrastructure									●	●	
	Water Treatment					●				●	●	
Other	High Networth Individuals		●			●						
	Media		●							●		
	Private Security		●			●				●	●	

● Optimised for the application. ● Appropriate for the application. More applications / products on pages 56-57 and 66-67.

AM69	FMI2	PC50
C50	HMKI50	ST50
MI-TIC €	MI-TIC € L	MI-TIC 320
MI-TIC S		

PROTECT

AM69

Based on the proven FM53 specialist mask platform, the AM69 has been specifically developed to meet the unique requirements of aircrew wearers who require CBRN respiratory protection at all altitudes up to 40,000ft (12,000m).



CBRN PROTECTION

- Optional connection system to aircraft oxygen supply.
- NBC or CBRN Cap 1 filter options with additional post filter model.

INTEGRATION

- Low profile butyl hose remote mounts filter.
- Compatible with most aircraft communication systems, voice amplifier and radio lead options.
- Integrates fully with combat uniform, helmets and ballistic vests.

SIMPLE OPERATION

- Miniature compensation exhale valve allows mask use on ground and up to 40,000ft (12,000m).
- Fail safe hydration system, compatible with canteens and bladders.
- Integrated Valsalva allows wearer to equalize during sudden pressure changes.
- Soft elasticated harness allows for <9 second donning time.

VISION

- Optically correct panoramic visor will not yellow or mist overtime.
- Triple edge bonded visor system eliminates any delamination issues.

- Developed from proven FM53 platform to include specialist features for use in multi-engine and rotary wing airframes.



FM12

The FM12 mask, initially developed for NATO operations, has become the most widely adopted respirator across the world by numerous military and law enforcement organisations.



COMMUNICATION

- Speech Horn for clear direct communication.
- Secondary Speech Transmitter (SST) to connect communications equipment.

FILTRATION

- Side mounted filter mount.
- Left or right mounting for tactical specialists.
- 40mm standard NATO thread.

HYDRATION

- High flow fail safe drinking device.
- Connection to hydration systems.

USER COMFORT

- 6 buckle fit allows for excellent seal.
- Quick donning and doffing.
- Available in 3 sizes.

- The mostly widely adopted respirator in the world.



PC50

The Avon PC50 is based on the widely deployed 50 Series masks and is designed and approved as a NON-CBRN respiratory device, providing protection in dangerous and contaminated environments, against solid and liquid respirable particles, gases, vapours and splashes of liquid chemicals.



AIR MANAGEMENT

- Low inhalation resistance.
- Heat build-up minimized.
- Low-re-breathed carbon dioxide.

COMMUNICATION

- External communications systems can be attached to the mask.
- Standard communication port.

USER COMFORT

- 3 face piece sizes for improved fit.
- Chlorobutyl rubber and silicone blend mask.
- Six point, easy to adjust head harness.

VISION

- Unique polyurethane visor is highly flexible plus scratch and impact resistant.
- Fully optically correct.
- Panoramic visor design gives maximum field of vision and wearer recognition.

- Designed for the lowest cost of ownership.



C50

The Avon C50 protective mask is based on the U.S. M50/JSGPM (Joint Services General Purpose Mask) and shares key technologies, providing maximum operational flexibility to counter multiple threat scenarios, including chemical, biological, nuclear and radiological (CBRN) agents, Toxic Industrial Chemicals (TICs), and Toxic Industrial Materials (TIMs).



AIR MANAGEMENT

- Low inhalation resistance and excellent de-mist properties.
- Heat build-up minimized.
- Low-re-breathed carbon dioxide.

COMMUNICATION


- Front mounted exhale valve allows clear direct communication.
- For enhanced communication an optional VPU is available.
- External communications systems can be attached to mask.

USER COMFORT

- 3 face piece sizes for improved fit.
- Chlorobutyl rubber and silicone blend mask.
- Reflex seal with low profile brow for helmet compatibility.

VISION

- Unique polyurethane visor is highly flexible plus scratch and impact resistant.
- Fully optically correct.
- Panoramic visor design gives maximum field of vision and wearer recognition.

- 
- A black and white photograph with a yellowish tint showing three soldiers in full tactical gear, including helmets, vests, and knee pads, breaching a dark door in a stone wall. The soldiers are positioned in a line, with the one on the right using a tool to force the door open. The wall is made of rough-hewn stone blocks.
- Building on the success of the US Military Joint Services General Purpose Mask.

HMK150

The HMK150 is a revolutionary Helmet Mask Kombination System specifically designed for CBRN and Riot Control. Avon has teamed with Schubert to provide flawless integration of our HM50 Respirator to the Schubert P100N Helmet. Based on the widely deployed 50 Series mask platform, the HM system brings the pedigree of a mask proven for use in the harshest environments.



DUAL WEAR MODES

- Provides complete head and respiratory protection.
- Respirator can be donned without removing the helmet.

SCHUBERTH P100N HELMET

- 3 different shell sizes.
- Flame-retardant lining.
- EPS inner shell for optimized shock absorption properties.

USER COMFORT

- 3 face piece sizes for improved fit.
- Chlorobutyl rubber and silicone blend mask.
- Reflex seal with low profile brow for helmet compatibility.

VISION

- Unique polyurethane visor is highly flexible plus scratch and impact resistant.
- Fully optically correct.
- Panoramic visor design gives maximum field of vision and wearer recognition.

- A combination of two cutting edge products designed to the highest standard.

ST50

The ST50 SCBA by Avon Protection Systems was developed as a result of extensive field research, evaluation and voice of the customer. The lightweight ST50 is a NIOSH approved, positive pressure, simple to operate, competitively priced self-contained breathing apparatus specifically designed to meet the unique and demanding requirements of Correctional facilities and Plant security.



FIELD PROVEN FACE MASK

- Field proven PC50+ face piece.
- Provides high performance.
- Extreme wearer comfort.
- Unobstructed vision and excellent communication.
- Excellent helmet to mask integration.

COMPACT DEMAND VALVE

- 1st breath activation for 'instant on'.
- Rugged, compact design delivers high flow rates.
- Screw-on design allows for DIN 40 thread filters.

USER COMFORT

- Ergonomically designed backframe for comfort.
- Adjustable harness allows for quick donning and doffing.
- Low profile and lightweight backframe.

GAUGE AND WHISTLE

- Gauge located on shoulder straps for easy access.
- Illuminated gauge for low-light environments.
- Whistle designed for high noise environments.

- 
- The total respiratory protection system for correctional facilities.

The **argus**® range of thermal imaging cameras – the most extensive offering to the latest NFPA 1801:2018 standard

The Mi-TIC Range of thermal imaging cameras includes the lightest and smallest NFPA 1801:2018 compliant camera available on the market.

Whether it is the safest battery technology, unmistakable application of colours or the highest available dynamic temperature range, our innovations are always specifically designed with firefighter safety in mind.



Mi-TIC **E**™



Mi-TIC **EL**™



Mi-TIC **320**™



Mi-TIC **S**™





Mi-TIC €

Lightweight size up imager – an affordable interior structural firefighting camera. The combination of low cost of ownership and long list of features make this the perfect tool for any fire department.



EASE OF USE

- Single button available.
- Small and wearable at just 765g (1lb 11oz).
- High grip rubber on molding.

START-UP

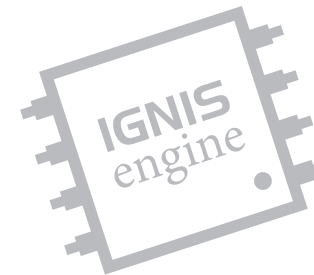
- 5 second start up.
- Customisable start-up screen.


IMAGE QUALITY

- Dynamic Scene Enhancement.
- Tri-Mode Sensitivity.
- Direct Temperature Measurement.

POWERED BY IGNIS ENGINE

- Enhanced image quality.
- Latest sensor technology.
- Class leading battery technology with a standard 5 year battery warranty.



- 
- Lowest total cost of ownership fire fighter thermal imaging camera.

Mi-TIC € L

Lightweight size up imager with a large screen display – an affordable interior structural firefighting camera. The combination of low cost and long list of features makes this the perfect tool for any fire department.



EASE OF USE

- Single button available.
- Small and wearable at just 865g (1lb 15oz).
- Large 3.5" (90mm) display.
- High grip rubber on molding.

START-UP

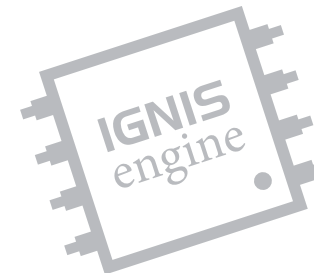
- 5 second start up.
- Customisable start-up screen.

IMAGE QUALITY

- Dynamic Scene Enhancement.
- Tri-Mode Sensitivity.
- Direct Temperature Measurement.

POWERED BY IGNIS ENGINE

- Enhanced image quality.
- Latest sensor technology.
- Class leading battery technology with a standard 5 year battery warranty.



- Large screen fire fighter thermal imaging camera.

Mi-TIC 320

Lightweight high-end thermal imaging with premium dynamic range and firefighting capabilities.



EASE OF USE

- User programmable buttons.
- 2.7" (69mm) display screen.
- Small and wearable at 765g (1lb 11oz).

START-UP

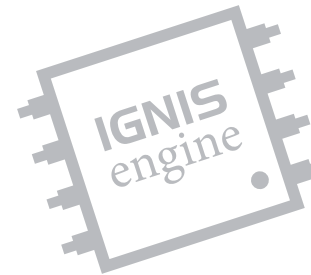
- 5 second start up.
- Customisable start-up screen.

IMAGE QUALITY

- High dynamic temperature range of 2000°F (1100°C).
- 320x240 resolution.

POWERED BY IGNIS ENGINE

- Enhanced image quality.
- Latest sensor technology.
- Class leading battery technology with a standard 5 year battery warranty.



- Smallest full feature fire fighter thermal imaging camera.



Mi-TIC S

Premium lightweight thermal imaging with industry leading dynamic range and oversized display for top performance in the most extreme firefighting environments.



IMAGE QUALITY

- High dynamic temperature range of 2000°F (1100°C).
- 320x240 resolution.

ADDITIONAL FEATURES:

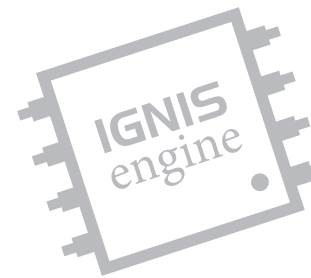
- Laser pointer.
- Electronic compass.
- Hot / Cold spot indicator.


EASE OF USE

- User programmable buttons.
- 3.5" display screen.
- Small and wearable at 870g (1lb 15oz).

POWERED BY IGNIS ENGINE

- Enhanced image quality.
- Latest sensor technology.
- Class leading battery technology with a standard 5 year battery warranty.



- 
- A night scene of a large fire. In the background, a massive fire consumes a structure, with bright orange and yellow flames reaching high into the dark sky. In the foreground, three firefighters in full protective gear are silhouetted against the intense light of the fire. Two firefighters on the left are looking towards the fire, while one on the right is looking down. To the right of the firefighters, a fire truck is parked, its blue emergency lights flashing. The truck's headlights are on, illuminating the ground. The overall atmosphere is one of a major emergency response at night.
- Best-in-class feature set fire fighter thermal imaging camera.

APPLICATIONS

Applications	Sub-Applications	M69	FM12	PC50	C50	HMK150	ST50	MI-TIC E	MI-TIC E L	MI-TIC 320	MI-TIC S
Military Operations	Aircrew Protection	●		●	●						
	Decontamination		●		●						
	EOD & Search (Land)				●						
	EOD & Search (Sea)				●						
	Fixed Site Protection		●		●						
	Generalist CBRN		●		●						
	Specialist CBRN				●						
Counter Narcotics Operations	Counter Smuggling & Search (Sea)				●						
	Deep Rummage & Search		●		●		●				
	Drug Enforcement		●	●	●						
	Illicit Drug Laboratories							●	●	●	●
Special Operations	Breaching & Entry Teams				●						
	Counter-Piracy		●	●	●		●				
	Counter Proliferation				●						
	Covert Operations										
	Hostage Rescue		●	●	●						
Law Enforcement Operations	Border Protection		●	●	●		●				
	Correction facilities			●	●	●	●				
	Crowd Control			●	●	●					
	First Responders		●	●	●		●	●	●	●	●
	Scenes of Crime		●		●						
	Specialist CBRN		●		●	●				●	●
	Specialist Fire Arms				●						

● Optimised for the application. ● Appropriate for the application. More applications / products on pages 30-31 and 66-67.

Applications	Sub-Applications	M69	FM12	PC50	C50	HMK150	ST50	MI-TIC E	MI-TIC E L	MI-TIC 320	MI-TIC S
First Responders	HAZMAT				●						
	Carbon Monoxide Protection										
	Disaster Relief		●	●	●		●	●	●	●	●
	Emergency Preparedness		●	●	●		●	●	●	●	●
	Forest Fire							●	●	●	●
	Marine Firefighting							●	●	●	●
	Mine Rescue							●	●	●	●
	Nuclear Decontamination		●	●	●						
	Overhaul							●	●	●	●
	Search and Rescue				●			●	●	●	●
	Structural Firefighting							●	●	●	●
Critical National Infrastructure Protection	Embassy		●		●		●				
	High Value Sites		●		●						
	Nuclear Sites & Decommissioning		●		●						
	Oil & Gas		●		●			●	●	●	●
	Power Facilities		●		●			●	●	●	●
	Transport Infrastructure		●		●						
	Water Treatment		●		●						
Other	High Networth Individuals										
	Hotels & Multi-storey Buildings										
	Mail Handling				●						
	Media		●	●	●						
	Private Security		●	●	●						

● Optimised for the application. ● Appropriate for the application. More applications / products on pages 30-31 and 67-67.

CH15

NH15

NH15 COMBO

CRS15

ESCAPE

CH15

The CH15 Escape Hood is a revolutionary, ultra-thin, single size respiratory escape device that provides a minimum of 15 minutes of respiratory, vision and facial protection against Chemical, Biological, Radiological and Nuclear threats.



COMPACT

- Low profile filters to reduce snagging.
- Streamlined design.



COST OF OWNERSHIP

- No fit test requirements.
- No replaceable parts.
- No maintenance or inspections.

FIT AND COMFORT

- Close fit filters.
- Self-adjusting harness.
- One size fits all.
- Don in less than 30 seconds.

SEE AND BE SEEN

- Clear range of vision.
- Reflective label.

CBRN	TIC
✓	✓



- The smallest and most compact CBRN certified escape hood on the market.

NH15

The Avon NH15 CBRN Air Purifying Escape Respirator is the smallest and most compact CBRN escape hood on the market, approved to carry NIOSH and CE marking. Its low cost makes it ideal for military, first responders, security and protection teams seeking immediate or emergency respiratory protection in a CBRN scenario.



COMPACT

- Low profile filters to reduce snagging.
- Streamlined design.

COST OF OWNERSHIP

- No fit test requirements.
- No replaceable parts.
- No maintenance or inspections.

FIT AND COMFORT

- Close fit filters.
- Self-adjusting harness.
- 3 sizes.

SEE AND BE SEEN

- Clear range of vision.
- Reflective label.

CBRN	TIC	CO
✓	✓	

- 
- The smallest and most compact CBRN certified escape hood on the market.

CRS15

The CRS15 pack provides respiratory and touch protection from a broad range of CBRN, TIC threats and all current riot control gases, together with products for immediate self-decontamination. The equipment is discreetly contained in a rucksack, allowing the user to rapidly respond to an incident or event and escape from the hazardous area.



CONTENTS

- Discreet packing.
- Branded and unbranded options available.

EASE OF USE

- User friendly.
- Clear instructions and operating procedures.

COMPLETE SYSTEM

- Leading edge decontamination capability.
- Full respiratory protection provided utilizing the NH15.
- Full skin, hand and touch protection.

- Lightweight self-contained equipment package for individual protection and decontamination when exposed to a CBRN incident.



APPLICATIONS

Applications	Sub-Applications	CH15	NH15	NH15 COMBO	CRS15
Military Operations	EOD & Search (Land)	●	●	●	
	EOD & Search (Sea)	●	●	●	
	Generalist CBRN	●	●	●	
Counter Narcotics Operations	Counter Smuggling & Search (Land)	●	●	●	
	Counter Smuggling & Search (Sea)	●	●	●	
	Deep Rummage & Search	●	●	●	
	Drug Enforcement	●	●	●	
	Illicit Drug Laboratories	●	●	●	
Special Operations	Counter-Piracy	●	●	●	
	Covert Operations	●	●	●	●
	Hostage Rescue	●	●	●	
	VIP Protection	●	●	●	●
Law Enforcement Operations	Border Protection	●	●	●	●
	Correction facilities	●	●	●	
	First Responders	●	●	●	●
	Scenes of Crime	●	●		
	Specialist CBRN	●	●	●	
	Specialist Fire Arms	●	●	●	

● Optimised for the application. ● Appropriate for the application. More applications / products on pages 30-31 and 56-57.

Applications	Sub-Applications	CH15	NH15	NH15 COMBO	CRS15
First Responders	HAZMAT	●	●	●	
	Carbon Monoxide Protection			●	
	Disaster Relief	●	●	●	●
	Emergency Preparedness	●	●	●	●
	Forest Fire	●	●	●	
	Marine Firefighting			●	
	Mine Rescue			●	
	Nuclear Decontamination	●	●	●	
	Overhaul			●	
	Search and Rescue	●	●	●	
	Structural Firefighting			●	
Critical National Infrastructure Protection	Embassy	●	●	●	●
	High Value Sites	●	●	●	●
	Nuclear Sites & Decommissioning	●	●	●	●
	Oil & Gas	●	●	●	
	Power Facilities	●	●	●	
	Transport Infrastructure	●	●	●	
	Water Treatment	●	●	●	●
Other	High Networth Individuals	●	●	●	●
	Hotels & Multi-storey Buildings	●	●	●	
	Mail Handling	●	●	●	●
	Media	●	●	●	●
	Private Security	●	●	●	●

● Optimised for the application. ● Appropriate for the application. More applications / products on pages 30-31 and 56-57.

ACCESSORIES

FILTERS



CBRNCF50



CBRNCF50e



CBRNCF50 CE



MILCF50



CTCF50



CSCF50



FM61



CTCF50e



GPCF50



Dust/Decon Filter Covers



FM61EU



Filter Mount Converters

ACCESSORIES

VISION



Clear Outsert Assembly



Sunlight Outsert Assembly



BlueBlocker Outsert Assembly



Laser Outsert Assembly



Shade 5 Cutting Outsert Assembly



Mirrored Outsert Assembly



Vision Correction

COMMUNICATIONS



FM53/FM54
Voice Projection Unit
with Digital Microphone
Assembly



C50/FM50
Voice Projection Unit
with Dynamic Mic and
Microphone Assembly



Savox VA-30 Voice Projection Unit
with E-Mic

CARRIERS



Multi-Cam Carriers



Mask Carrier



Universal Carrier



Individual Equipment Carrier

HYDRATION SYSTEMS



Water Canteen



CBR50i 3L Reservoir



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