

**PRODUCT
PORTFOLIO**



AVON
PROTECTION



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Our sister company Team Wendy is a global provider of ballistic head protection for military and first responder personnel around the globe. Together we are united by our mission to provide unparalleled integrated protection for those who protect us. To find out more about their products please visit: teamwendy.com



Mission-critical protection

For military and first responders, Avon Protection offers mission-critical protection that delivers mission-critical confidence. As the most field-tested equipment in the industry, we have real-world insight to innovate and stay steps ahead of ever-evolving threats. Through ease of use and enduring performance, we assure our protectors so they can complete the mission and come home safely, every time.



Respiratory Protection



CBRN Protective Wear



Underwater Systems

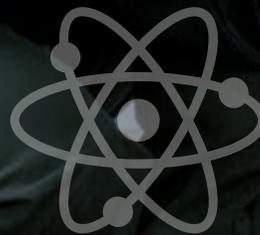


Thermal Imaging Cameras



Scan to watch the Avon Protection video.

CBRN ENSEMBLE



CBRN Ensemble

Avon Protection's CBRN EXOSKIN suit is fully compatible with the EXOSKIN range of boots and gloves, 50 Series respirators and Team Wendy helmets.

- With a growing portfolio in respiratory and head protection, we understand the true importance of seamless equipment integration. Effective collaboration across all equipment ultimately results in improved operator ability and efficiency.
- Designed to cohesively integrate from head to toe, this unification reduces the risk of leakage and increases confidence in protection against harmful threats.
- We have invested a significant amount of time in our design process to ensure that we can offer complete protection between the traditionally weakened interfaces.





Scan to watch the
EXOSKIN® video.

EXOSKIN® CBRN PROTECTIVE WEAR

EXOSKIN®-S1

EXOSKIN®-B1

EXOSKIN®-G1

EXOSKIN[®]-S1

LOW-BURDEN, HIGH PERFORMANCE CBRN SUIT



EXOSKIN-S1 low burden, high performance CBRN suit.

The EXOSKIN-S1 CBRN suit provides improved protection against chemical warfare agents enabling users to operate in a CBRN environment for up to 24 hrs.

Leveraging knowledge of soldier system integration, EXOSKIN-S1 is a low-burden CBRN suit that seamlessly integrates with essential CBRN protective equipment including respirators, boots, and gloves.

Made from a cotton poly outer and an activated carbon inner, the EXOSKIN-S1 is designed to enhance mobility and meet military and first responder requirements.

CUSTOMIZABLE

- Multiple variants available.
- Jacket available in different sizes and configurations, including full zip and 1/4 zip.
- Multiple pattern and color design formulations.

LOW BURDEN

- 30% lighter than conventional CBRN suits.
- Integrated hood offers unrestricted movements when respirator is worn.

USER FOCUSED

- Reinforced elbow and knee pads to reduce abrasion.
- Waist and hem adjusters for conformed fit.
- Roll down hood with 'hook and loop' tab to improve comfort and minimize risk of snag hazards at reduced MOPP levels.

IMPROVED PROTECTION FACTOR

- Provides protection against CWAs for a continuous period of up to 24 hrs.
- Integrated hood with double elasticated aperture maximizing the protection factor of the suit without restricting movement.
- Seamless integration with Avon Protection's respiratory portfolio.

INTELLIGENT MATERIALS

- Multi-threat protection against vapor, liquid and particulate CWAs.
- Flame Retardant – Flame Retardancy Index 3 – Standard (BS EN 533 :1997).

EXOSKIN®-B1

HIGH TRACTION CBRN BOOTS



EXOSKIN-B1 high traction CBRN overboots.

With an extensive knowledge of military and first responder CBRN requirements, EXOSKIN-B1 CBRN boots have been designed to meet the unique requirements of the modern warfighter and tactical operator. Recognizing traditional CBRN overboots limit operational capability, our design has been optimized to improve mission flexibility without compromising on the protection.

RUGGEDIZED STRAPS

- Ruggedized quick release straps allow for faster donning and doffing.
- Easy to use and alter when wearing full CBRN protection.
- Fully adjustable.

OPTIMIZED TACTICAL GRIP

- Designed for the most demanding of environments.
- Optimized to meet the unique requirements of tactical operators.
- Tactical grip improves user manoeuvrability.

MAXIMUM PROTECTION

- High protection against CWAs and TICs.
- Impermeable to biological agents.
- 100% leak tested.
- Full integration with protective suit ensembles, including JLIST and MkIVA.

CBRN EXPERTS

- Storage Temperature: 68°F +/- 9°F (20°C +/- 5°C)
- Mustard / Nerve Gas Resistance: ≥ 24 hours.
- Tested by accredited laboratories.
- Extended Wear: 45 days.
- Storage Life: 15 years.

AMBIDEXTROUS FITMENT

- Ambidextrous design ensures optimum fitment in demanding situations.
- Improved donning efficiency.

EXOSKIN[®]-G1

TACTILE CBRN GLOVES



EXOSKIN-G1 tactile CBRN gloves.

The EXOSKIN-G1 CBRN gloves have been designed to meet the changing operational requirements of the modern warfighter and tactical operator. With a new system approach to CBRN gloves, we offer a range of liners to meet the mission profile. Utilizing our material science capability and extensive knowledge of military and first responder CBRN requirements, the EXOSKIN-G1 gloves offer improved comfort and operational flexibility without compromising on the protection.

SMART TOUCHSCREEN COMPATIBILITY

- Conductive finger tips.
- Traditional CBRN gloves limit operational capability. EXOSKIN-G1 allow for handling of touch screen devices in the field.
- Improved operational flexibility without compromise on protection.

PROVEN RUBBER TECHNOLOGY

- Utilizing Avon Protection's material science capabilities.
- Extensive knowledge of military and first responder CBRN requirements.
- 15 year shelf life.

ULTIMATE PROTECTION

- High protection against CWAs and TICs.
- Impermeable to biological agents.
- Full integration with protective suit ensembles, including JLIST and MkIVA.

OPTIMIZED DESIGN

- Textured for added grip in wet conditions.
- Easy to decontaminate.
- Ambidextrous.
- High dexterity.

HEAT MANAGEMENT LINER OPTIONS

- Varied Liner solutions are available.

MITR™

MITR™ SYSTEM

MITR™-M1

MITR™-PG1

MITR™-RF

MITR™-PF

MITR™-GF

MITR™ System and Helmet Integration



- The MITR-M1 Half Mask has been designed to be donned/doffed without needing to remove your helmet and other protective equipment, ensuring that the wearer always remains protected.
- The MITR quick-clip retention system has been designed to allow direct attachment to a wide range of ballistic/non-ballistic helmet rail systems.

MITR™-M1

MISSION-DRIVEN RESPIRATORY PROTECTION



Embracing heritage, pioneering future protection.

With our long-standing heritage in defense, safety, and innovation, Avon Protection proudly introduces the MITR™-M1 Half Mask, representing a new benchmark to our commitment for providing advanced, reliable protection solutions across global markets.

The MITR-M1 bridges the gap between single-use masks and full-face respirators, offering scalable protection for low- to mid-level threat environments. This versatile respirator is designed for diverse operational demands with a modular design that ensures adaptability. Compact and concealable, it is ideal for swift deployment in tactical scenarios from routine patrols to high-risk interventions.

INTEGRATION

- A fully innovative system. Integrating MITR-M1 with MITR-PG1 goggles, MITR-PF or MITR-RF filters and helmet attachment straps.
- Chinstrap integrates with helmet so no need for a chinstrap extender.
- Designed to don without needing to remove helmet.

USER COMFORT

- Available in 3 sizes.
- Military-pedigree materials used for durability.
- Lightweight design.
- High-performance facial seal for a secure fit.
- Optimized to minimize user-fatigue for prolonged use.
- Easily fits in a gear pouch or pocket for convenient storage.

MITR-PF COMPACT PARTICULATE FILTER

- Side-mounted filter design to optimize weapons sighting.
- Left/right MITR compatible filters placement allows for uncompromised weapon sighting.
- Streamlined filter design provides a low-profile fit.
- Delivers high-efficiency due to innovative design.

MITR™ -PG1

PRECISION VISION, UNMATCHED PROTECTION



First-of-its-kind, cutting edge, next-generation ocular protection has arrived as an integrated air purge system.



With built-in MITR-GF filter

MITR-PG1 powered air goggle is engineered to deliver ocular protection for personnel operating in low- to mid-threat environments.

PERFORMANCE

- Shields against particulate hazards, CS/CS riot control agents, and OC threats.
- High impact protection.
- Positive pressure inside the goggle constantly purges ensuring clear air in the eye space to enhance visibility and comfort.
- Designed to meet ANSI Z87+ and ISO 16321-1 requirements.
- Vision correction lenses available.
- Single size that fits 5th percentile female to 95th percentile male.
- Interchangeable filter to ensure protection is optimal

PHYSICALS

- Weight: 400g / 14 ounces (with battery).
- Dimensions: H95 x W220 x D110 mm.
- Color: Black.

POWER & BATTERY

- Powered on/off by an easy-to-use button.
- Power source: 1 x 18650 protected cell.
- Power duration: > 8 hours (from a single charge).
- Battery status indicator: LED & vibrate (can be turned into stealth mode).

ENVIRONMENTAL

- Operating temperature: -10 to 50°C range.
- Recommended storage temperature: 10 to 30°C / 50 to 86°F range.
- Designed to meet relevant MIL-STD shock & vibration requirements.

INTEGRATION

- Seamlessly integrates with ballistic and bump helmets.
- Optional vision correction lenses available.

MITR-GF GOGGLE FILTER

- A combination filter for protection against particulates and riot control agents.
- Filter body is designed and engineered for toughness, durability and strength.
- Entirely non-ferrous and non-magnetic.

RESPIRATORS

FM54™

FM53™

FM50™

C50™

HMK150™

PC50™

FM12™

FM54™

SINGLE MASK, MAXIMUM FLEXIBILITY



Built on the proven pedigree of the FM53, the FM54 is our most elite mask.

Building on the proven pedigree of the FM53, the 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 Common Voice Projection Unit (CVPU) 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.

FM53™

THE MULTIPLE MISSION MASK



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

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.

FM50™

THE FIRST CHOICE FOR DEFENCE



50 series respirators protect millions of users everyday.

Developed with the U.S. DOD, the FM50 is the next generation of 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 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.

C50™

THE ALL CHALLENGE MASK



Building on the success of the M50 mask.

The C50 protective mask is based on the M50, officially known as the Joint Service General Purpose Mask which was developed for the U.S. DOD. It shares key technologies, providing maximum operational flexibility to counter multiple threat scenarios, including 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.

HMK150™

THE INTEGRATED RIOT CONTROL SYSTEM



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

The HMK150 is a revolutionary helmet mask combination system specifically designed for CBRN and riot control. We have teamed with Schuberth to provide flawless integration of our HM50 respirator to the Schuberth 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.

PC50™

ENTRY LEVEL, NON-CBRN SOLUTION



Designed for the lowest cost of ownership.

The 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.

FM12™

TRIED AND TRUSTED WORLDWIDE



Tried and trusted by military and law enforcement around the world.

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

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.

FILTERS, COVERS & CONVERTERS

FILTERS



MILCF50



CSCF50



FM61



FM61EU



GPCF50



CTCF50 and CTCF50e



CFP100

MITR FILTERS



MITR-PF



MITR-RF

CBRN FILTERS



CBRNCF50

FILTER COVERS / CONVERTERS



Filter Mount Converters



MITR-GF



CBRNCF50e



CBRNCF50 CE



Dust/Decon Filter Covers

RESPIRATOR 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



CVPU
(Common Voice Projection Unit)



TMC - Tactical Mask
Communication System
(available in four configurations or
as a custom specification)

CARRIERS



Multi-Cam Carrier



Mask Carrier



Universal Carrier



Individual Equipment Carrier

HYDRATION SYSTEMS



Water Canteen



CBR50i 3L Reservoir

AVONAIR® INTEGRATED SYSTEM

CS-PAPR™

MP-PAPR™

AVON EZAIR®

AVON EZAIR®

MP-PAPR™

CS-PAPR™



The first adaptable powered air system

AvonAir is revolutionizing 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 three flexible and adaptable modules; Avon EZAir, MP-PAPR and CS-PAPR. Common to the range is the 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 armor options including EOD, riot control, 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.

CS-PAPR™

COMBINATION SYSTEM POWERED AIR
PURIFYING RESPIRATOR



Adapt the protection to meet the threat in seconds.

The combination system is the newest generation of modular CBRN 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 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.



MP-PAPR™

MULTI-POSITION POWERED AIR
PURIFYING RESPIRATOR



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

A departure from traditional rigid plastic construction systems, the MP-PAPR is the world's first flexible powered air unit, constructed from the same field proven chlorobutyl rubber, as used for the 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.

AVON EZAIR®

CBRN BREATH ASSIST POWERED UNIT



The smallest and lightest breath assist.

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.

SELF-CONTAINED BREATHING APPARATUS

ST54™

ST53™

ST53SD™

ST50™

ST54™

ENHANCED MULTI-MISSION
TACTICAL OPERATOR SCBA



NFPA 1986:2023
COMPLIANT

Enhanced multi-mission tactical operator SCBA.

Optimized for use by the most demanding of tactical operators, the 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. Now available as a NFPA 1986:2023 compliant variant.

USER COMFORT

- The most comfortable tactical SCBA set we've ever made.
- Broad padded shoulder straps.
- Ergonomic backframe.

DURABILITY

- High quality, quick disconnect buckles.
- Two piece composite backframe.
- 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.

ST53™

VERSATILE PROTECTION
FOR TACTICAL OPERATIONS



The most advanced flexible multi-mode CBRN respiratory solution.

The ST53 combines the 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.

ST53SD™

VERSATILE PROTECTION
FOR TACTICAL OPERATIONS



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

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

- 2 liter cylinder.
- Excellent integration with other personal equipment.

ST50™

THE SCBA FOR CORRECTIONS



The total respiratory protection system for correctional facilities.

The ST50 SCBA 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.



ESCAPE HOOD

NH15™

NH15™

COMPACT ESCAPE HOOD



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

The NH15 CBRN escape hood 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
✓	✓



Scan to watch the
MCM100™ video.

UNDERWATER SYSTEMS

MCM100™

XBS™

CORE INTELLIGENT UNDERSUIT™

DIVE-TRACKER

MCM100™

MULTI-ROLE REBREATHER



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

The MCM100 is Avon Protection's state of the art electronically controlled, closed circuit, mixed gas military rebreather. Designed to excel in both shallow and deep-water military diving applications; optimized for Explosive Ordnance Disposal (EOD), Mine Countermeasures (MCM) and Special Operations diving. The market leading MCM100 delivers true multi-role military rebreather capability, incorporating cutting edge technology and innovative operational features, to deliver significantly enhanced diver safety and extended mission duration.

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.
- Back-lit color 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.
- Automatic activation.
- 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.

SOFTWARE AVAILABLE

- Avon Dive Planner.
- MCM100 configuration software.
- Data download software.
- Training simulator.

XBS™

EXTERNAL BREATHING SYSTEM



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

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

CORE INTELLIGENT UNDERSUIT™

CORE TO THE MISSION

Our Core Intelligent Undersuit is a heated undersuit designed specifically to combat non-freezing cold injuries for air, land and sea, and in turn, protects a diver's operational effectiveness. Powered by a 7-volt battery, the undersuit is unique in its capability to provide controlled heating to the diver, regulating the user's body temperature across the undersuits major autonomous heating zones (torso, hands and feet) at all times. Compatible with both wet and drysuit diving systems or for use as a surface under-garment (small boat work etc.), Core Intelligent's capability is the result of close collaboration with key military users and our partnership with market leading industry manufacturer Santi.



Undersuit, Glove and Sock sizes:

S	M	L	XL	XXL
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SYSTEM FEATURES

- The unique combination of a 7-volt battery and over-current protection in the Core Intelligent Undersuit removes the risk of the overheating.
- Thermistors actively control the heating of individual panels based on diver skin and panel temperature.
- The system temperature setpoints are:
Torso = 102°F +/- 2°F (39°C +/- 1°C)
Glove = 66°F +/- 2°F (19°C +/- 1°C)
Sock = 80°F +/- 2°F (27°C +/- 1°C)
- Specifically designed panels reduce the risk of overlapping and compression of the heating elements.
- Detachable gloves and integrated socks for optimum fitting. (Socks can be separated from the main garment to allow for repair/resizing).
- Detachable heating panels reduce burden of maintenance.
- Approx. 2 hour battery endurance (if constantly heating all zones).
- Super flexible, low profile, cable system.
- MIL STD 810G compliant transport/storage case available (sold separately).
- Proven wet-connector technology suitable for long-duration deep diving.
- Compatible with both wetsuits or drysuits (via the in-built custom drysuit port).

PERFORMANCE

- The Core Intelligent Undersuit has undergone rigorous internal testing and field trials.
- Batteries certified to UN 38.3 / Configured with 7-volt battery.
- Weight: 9.410lbs (4.27kg) - includes all connectors and penetrators, and battery.
- Operating Temperature:
Air = 28°F to 120°F (-2°C to 48.8°C).
Water = 28°F to 70°F (-2°C to 21°C).

DIVE-TRACKER

REBREATHER DATA & DIVER POSITIONING SYSTEM



MCM100 integrated SeaTrac D010 Diver Positioning System

Specifically engineered to offer advanced diver positioning and real-time rebreather data for military diving supervisors.

SEAMLESS SET-UP

- The D010 Diver Beacon is durable and compact, with a quick mount holster and in-built battery for seamless installation.

INTUITIVE TRACKING

- Intuitive Tracking Software features a visual diver position display, enabling the operator to input fully customizable geofence and depth alarms. This provides complete situational awareness should a diver stray from their intended course.

IMPROVED SAFETY

- Designed to be used in conjunction with the SeaTrac Base System, a single topside X150 transponder can communicate with unlimited D010 beacons within a 1000m range, delivering real-time diver location data for improved diving safety.
- Equipped with a diver distress cord, the D010 enables divers to efficiently alert surface operatives should they need emergency support.

Integrated diver positioning system in collaboration with market-leading manufacturer, Blueprint Subsea.

UNDERWATER ACCESSORIES



Full Face Mask



Half Mask



OTS Full Face Mask



Core Intelligent Glove System



Weights Set (0.5kg/1kg/2kg)



Weights Set in Case



Tri-bag



Multi-charger with Case



5lt Bailout System



2lt Bailout System



Sidemount Regulator Set



MCM100 Transit Case



LRU Electronics System



LRU Spares Kit



LRU Tool Kit



Technician Tool Kit

THERMAL IMAGING CAMERAS

MI-TIC S™

MI-TIC 320™

MI-TIC E L™

MI-TIC E™

The **argus**[®] range of thermal imaging cameras – the most extensive offering, certified to be compliant with the latest NFPA 1801:2021 standard.

The MI-TIC Range of thermal imaging cameras includes the lightest and smallest NFPA 1801:2021 compliant camera available on the market. Whether it is the safest battery technology, unmistakable application of colors or the highest available dynamic temperature range, our innovations are always specifically designed with firefighter safety in mind.

MI-TIC E™



MI-TIC E L™



MI-TIC 320™



MI-TIC S™



MI-TIC S™

BEST-IN-CLASS FEATURE SET FIREFIGHTER
THERMAL IMAGING CAMERA



Best-in-class feature set firefighter thermal imaging camera.

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

ADDITIONAL FEATURES

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

EASE OF USE

- User programmable buttons.
- Large 3.5" (90mm) display.
- Small and wearable at 1lb 15oz (879g).

START-UP

- 5 second start up.
- Customizable 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.

MI-TIC 320™

SMALLEST FULL FEATURE FIREFIGHTER
THERMAL IMAGING CAMERA



Smallest full feature firefighter thermal imaging camera.

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

EASE OF USE

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

START-UP

- 5 second start up.
- Customizable 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.

MI-TIC E L™

LARGE SCREEN FIREFIGHTER
THERMAL IMAGING CAMERA



Large screen firefighter thermal imaging camera.

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 1lb 15oz (865g).
- Large 3.5" (90mm) display.
- High grip rubber on molding.

START-UP

- 5 second start up.
- Customizable 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.

MI-TIC E™

LOWEST TOTAL COST OF OWNERSHIP
FIREFIGHTER THERMAL IMAGING CAMERA



Lowest total cost of ownership firefighter thermal imaging camera.

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.
- 2.7" (69mm) display.
- Small and wearable at just 1lb 11oz (765g).
- High grip rubber on molding.

START-UP

- 5 second start up.
- Customizable 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.

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