



Product Highlights
EN-Standard

WE KNOW WHAT'S AT STAKE.

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V-Gard H1 Safety Helmet

- Three Models
 - Novent (EN 397, EN 50365 1000V A.C; ANSI Z89.1 and CSA Z94.1, Type 1, Class E)
 - Trivent (EN 12492; ANSI Z89.1 Type 1, Class C)
 - Bivent - to be launched mid 2020 (EN 397, ANSI Z89.1 and CSA Z94.1)

Comfort

- Fas-Trac® III suspension with dual pivoting nape strap provides custom fit and optimal range of motion
- 4pt, field replaceable, chinstrap provides improved stability and balance
- Optimal foam and strap suspension provides airflow and breathability reducing the potential for heat stress and increasing comfort



Performance & Ease of Use

- Patent-pending integrated accessory rail system with push button connections ensures quick installation and removal of accessories
- Proprietary accessories: clear visor, mesh visor and spectacles
- Convenient integrated features, like the universal clips for a headlamp or a rescue whistle built into the chinstrap for additional safety

Quality & Style

- Modern styling with matte finish provides a new look while reducing the look of wear and tear - 9 colors available
- Standard reflective striping ensures increased visibility in low light applications
- Accessory rail system that blends into the helmet and enhances the overall aesthetic
- Optional logo printing - up to 3 locations and from only 16 units

Check details, videos and pics:

www.MSAafety.com/H1-safety-helmet

V-Gard 950 Helmet with integrated visor

Superior Performance

- Most compact & lightest electrician's helmet with integrated visor on the market!
- Innovative optional arc flash ear flaps for protection from side
- Best wearing comfort & balance
- Modern, sportive style with many customizable options



V-Gard 500 Helmet (Vented or Unvented)

Superior Performance

- The optimal choice for multiple applications
- Built-in rain gutter for outdoor operations
- Ideal design for adapting visors, ear-defenders or attaching headband of MSA eyewear with goggle adapter



The V-Gard System

- A wide range of options & accessories to suit customers' needs and adapt to their working environment!
- Tested & approved with the V-Gard family helmets
- Your customers can choose from: logo printing, retro-reflective stickers, badge holders, lamp holders, chinstraps, frames & visors, ear-defenders and seasonal liners for improved working comfort.



Hard Hat Personalisation

MSA LOGO EXPRESS® Offers:

- Full colour logo and image printing
- High-quality, long-lasting weather-proof printing
- Print on up to 5 locations: front, rear, left, right, and peak
- MOQ from 20 helmets only
(V-Gard 950 12 units and V-Gard H1 16 units)
- Logoed helmets manufactured within just 5 days*
- Re-ordering is simple - we keep the artwork on file making repeat orders quick and easy



Other customisation options include badge holders and reflective stickers available in many colours

*after we receive the approved artwork and purchase order from Channel Partner (exception for V-Gard H1)

Let's LOGO Program 2020

Customers can get FREE front logo printing on selected V-Gard helmets.

Please read the details in

www.MSAafety.com/customhardhats



Top 5 Reasons Customers Choose the MSA V-Gard Over Any Other Helmet

1. **A trusted advisor:** Established in 1914, MSA has been advising on safety solutions for over 100 years, with over 100+ million V-Gard helmets sold across the world!
2. **Complete portfolio:** With 12 helmet models, many approved accessories and customisation options, customers can tailor their helmet to suit their needs and adapt to their working environment.
3. **Innovation:** We have acquired over 90+ patents to date! The V-Gard series offers unrivalled design and features, including the highly-successful V-Gard 900 helmet range with integrated face/eye protection and the Fas-Trac® III suspension for enhanced comfort.

4. **Comfort:** The MSA V-Gard range provides superior comfort, stability and balance through our Fas-Trac III suspension. In fact, in a blind study conducted by MSA, the Fas-Trac III suspension was chosen 92% of the time over the competition.
5. **Quality Assurance:** MSA prides itself on not only meeting standards, but exceeding them! Within our internationally accredited laboratory, our helmets are tested beyond requirements of standards to provide best-in-class resistance and durability.



V-TEC Self-Retracting Devices

The V-TEC line is designed with tough polycarbonate plastic with transparent housing, which performs in extreme environments and simplifies user inspection by allowing visibility inside of the SRL for 100% user confidence.

V-TEC SRL's are fully field-serviceable and aimed at reducing maintenance costs with fewer consumable parts and the use of all stainless steel materials to extend product life cycle.

V-EDGE Self-Retracting Devices

Use in a variety of applications from overhead to foot level tie-off points, and where sharp edge hazards are a concern.

MSA V-Series Fall Protection

The V-Series Fall Protection range is named after the iconic V-Gard safety helmet trusted by millions of across the globe for more than a half century.

MSA has broken new ground in energy-absorption technology – our use of a patented radial energy absorber is a first within the PPE industry, allowing for simpler, smarter, more compact designs.

More info at: www.MSAafety.com/VSeriesFallProtection

Dare to Compare Program 2020

High-potential endusers can try the new V-Series™ Range of Harnesses, the V-EDGE® PFLs and SRLs, plus the new V-Gard® H1 Safety Helmet FREE of charge!

Fill the form in www.MSAafety.com/dare-to-compare to provide product choice and end-user details.

V-FLEX Harness

All of the benefits of the V-FIT and:

- Breathable contoured shoulder padding that responds to your movement and conforms to your body, eliminating pressure points and chafing
- Patent-pending hip connection that flexes with the worker, reducing fatigue throughout the day
- Integrated Safety Steps that are stowed away in leg pads for suspension trauma prevention in a fall event



V-FIT Harness

All of the benefits of the V-FORM+ and:

- Patent-pending RaceFLEX™ connection that eliminates the need for bulky chest straps or cumbersome buckles
- Superior shoulder and leg padding responds to your movement to conform to your body, eliminating pressure points and chafing
- Padding that can be removed for cleaning, extending the life of the harness
- Patented leg strap design that keeps leg straps in place as webbing lays horizontally across the thighs, creating a more natural fit



V-FORM+ Harness

All of the benefits of the V-FORM and:

- Body-conforming shoulder padding that responds to your movement to conform to your body, eliminating pressure points and chafing
- Bayonet style buckles and frontal D-Ring
- Coated webbing for easy cleaning
- Dedicated attachment point for Personal Fall Limiters
- Additional lanyard keepers



V-FORM Harness

- Racing style bayonet buckle that eliminates bulky chest straps for a close and comfortable fit
- Athletic cut that contours the harness to the body and improves upper torso movement on the job
- Pull-down adjustments that allows you to quickly and easily get the right fit that lasts throughout the work day
- Fewer stitch points to save time during pre-use inspection process



V-EDGE Personal Fall Limiters (PFL)

- Conforms to the latest Standards: EN360 (SRLs), CNB/P/11.060 (Leading Edge), CNB/P/11.062 (140Kg), CNB/P/11.085 (FF2)
- Comfort: Compact design and limited weight
- Robustness: Built with superior materials and thoroughly tested
- Easy Inspection: Simplicity at the time of inspecting the unit
- Fits the application: Available in various configurations: 1.8m or 2.4m, single or twin, cable or web



V-EDGE Self-Retracting Lifeline (SRL)

- Patent pending roll cage protect housing when used in foot-level tie off
- Retraction dampening feature controls speed of the lifeline, preventing unwanted damage
- Internal components can be replaced on-site, reducing repair down time
 - 6, 10 and 15m lengths available
 - 140 Kg user capacity



V-TEC Self-Retracting Lifeline (SRL)

- Completely Field-Serviceable
- Radial Energy Absorber is sealed
- Retraction Dampener controls lifeline speed
- Clear housing for ease of inspection
- Stainless steel internals
- 6, 10 and 15m lengths available



MSA M1 SCBA

Greater Modularity

- From Basic version (wall-hanging applications) to Advance configuration
- Open to future field upgrades (Pressure reducer with ready to use ports for future add-on: U-clip for easy removal)



M1 Basic

Improved Ergonomics

- Unique padded harness design with S-shape prevents pressure points and slipping
- Backplate with unique one-handed height adjustment*
- Hip belt designed for even weight distribution*
- Lightest SCBA with height adjustment on the market (less than 4 kilos)*



M1 Advance

* Only M1 Advance

Easier to clean & disinfect

- Entire SCBA machine-washable
- Dust and water repellent new harness material
- Hard to reach areas on backplate
- Simplified disassembly and assembly of components

10 year warranty

- All components designed for longer life

Highest Safety Standards

- Chemical Resistance/Permeation: Innovative material composition for mask, demand valve and SCBA pneumatics for increased chemical resistance
- Rescue line with patented CleanConnect cleans the coupling with medium pressure

More info at: www.MSAafety.com/M1

M1 Control Module for M1 and existing SCBA platforms

- Easy to use personal alert safety system (PASS) with motionless sensor
- Integrated full colour display giving clear pressure and alarm indication
- Combines a mechanical gauge with a digital display to deliver all required information to the user just by lifting the device
- Retrofittable (M1 or AirGo/MaXX)
- Bluetooth for A2 software access to memory and customization of settings and for optional ALTAIR 4XR/5X BT reading access
- Available with long-range radio telemetry option for electronic incident monitoring



G1 Full face mask

- Wide distortion-free field of vision
- Low profile mask for less snagging and improved weight distribution
- Unique airflow prevents lens fogging and reduces breathing resistance
- High comfort, with face seal for better fit
- Disassembled in 30 sec for easy maintenance/cleaning
- Available in 3 sizes & for various connectors



C1 Communication Module

- Easy attachment to the G1 mask, low weight
- Exceptional voice transmission
- Excellent reception of incoming messages
- Elimination of surrounding sounds and breathing noises
- Easy interchangeability between users
- No battery (powered by the radio)
- Plug and play operation
- Available in standard or ATEX certified versions



Safety io Grid



Fleet Manager

- Identify workers that have been involved in a broad array of incidents
- Recognize bump test/calibration status & sensor condition
- Automate testing & data analytics, receive fleet health reports
- Monitor test banks & replenish empty calibration gas cylinders
- Works with MSA detectors & GALAXY GX2 test banks

Live Monitor

- Real-time monitoring of workers' location & instrument readings
- Device alert status tracking: instant alarm awareness, overview of issues
- Individual or mass worker evacuation & communication with workers
- Works with ALTAIR io360/ 4XR/ 5X

ALTAIR® io360 Gas Detector

The Simple Usability of a Smart Home Product.

The Rugged, Reliable Performance You Expect from MSA

Effortlessly Connected Worksites

- Local or remote monitoring with intuitive setup
- Flexible monitoring - General Area, Perimeters, Confined Spaces
- Easily Mount - 50 lb. (220 Newton) Magnet and Integrated D-Ring

Ultra-Long Battery Life

- Four-gas detection with a catalytic sensor
- 60-days of battery life

Performance You Can Trust

- The ruggedness you expect
- IP68 (2m for 60minutes)
- Drop-tested at 10 ft. (3m)
- Best-in-class, fast-responding X Cell® sensors



ALTAIR 4XR Multigas Detector

- Powered by MSA XCell Sensor family that delivers cost savings of more than 50% on calibration gas, replacement sensors and maintenance
- **Reliable**
 - <15 second sensor response time
 - 4-year warranty (+ optional 5th!)
 - 5-year expected life
 - 24-hour battery run-time
- **Rugged**
 - Agency-certified IP68 rating (2 meters for 60 minutes)
 - Can survive incidental 25 ft. (7.5m) drops
 - Exceeds MIL-STD-810G drop test requirements

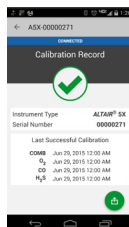
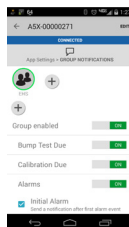


ALTAIR 5X Multigas Detector

- 6-gas Instrument with field-proven integral pump. Powered by fast responding MSA XCell Sensors with available IR and PID sensor options
- Cost effective maintenance with bump tests in 10s. and calibration time of 60s. for most common sensor configurations
- Rugged design with ability to survive 10-ft. (3m) drop; IP65-certified
- Full 3-year warranty for standard configurations and typical life greater than 4 years



- **Real-time Bluetooth connectivity with ALTAIR 4XR and ALTAIR 5X**
 - Receive detector compliance reminders
 - E-mail calibration, sampling & event reports
 - Update detector settings
 - Share status details with Safety io Grid Live Monitor



GALAXY GX2 Test System

- Simple, intelligent testing and calibration of MSA ALTAIR, ALTAIR Pro, ALTAIR 2X, ALTAIR 4XR, and ALTAIR 5X Gas Detectors
- Test up to 10 gas detectors simultaneously in same time that most competitive systems test one device
- RFID-tagged calibration gas cylinders help ensure use of correct gas
- Plug and play installation with self-aligning electrical and pneumatic connections
- Configuration as stand-alone or connected system to Safety io Grid Fleet Manager
- RFID-tagged calibration gas cylinders help ensure use of correct gas



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