MSA FireHawk MXT Air Mask
Durability and performance for critical life-safety personnel.

WHEN YOU GO IN, WE GO IN WITH YOU.
Designed to meet NFPA 1981 and 1982 2013 edition standards. Determined to exceed your safety equipment expectations!

Through NFPA, firefighters strive to improve the durability and performance of their SCBA and PASS devices. It’s no different with the new 2013 edition of NFPA 1981 standards for self-contained breathing apparatus and personal alarm safety systems (PASS). The updated standard calls for a minimum low pressure alarm set point of 33% cylinder operating pressure remaining, improved facepiece lens radiant heat performance, 500°F heat and flame exposure, and standardized PASS device alarm sound patterns common to all PASS device manufacturers. In addition, NFPA has raised the bar on voice communication capability, now requiring measurable, minimum Sound Transmission Index (STI) scores for both mechanical and electronic communications.

MSA’s new FireHawk M7XT Air Mask represents a true technological achievement in critical firefighter protection. As firefighters defined the safety requirements necessary to meet NFPA 1981 and 1982 2013 edition standards, MSA engineering teams began to design solutions. The new FireHawk M7XT Air Mask, with its life-safety design components built upon a modular air mask platform, exceeds NFPA 2013 requirements and provides firefighters with the highest quality SCBA available.

### 1. Extreme Heat PASS

Although MSA PASS alarms have performed in extreme temperatures for more than a decade, a top priority was to design an alarm that could really take the heat! The new FireHawk M7XT PASS alarm was developed in cooperation with prominent acoustic experts, resulting in an emitter that exceeds 95 decibels with solid performance when used within elevated temperature environments.

### 2. Reliable Electronics

The FireHawk M7XT HUD, I-HUD Receiver, Power Module, and Control Module are encased within proprietary high-temperature impact-grade polymer, providing the highest possible protection against impact and water ingress.

Electronics enclosures are hermetically sealed to ensure a consistent water-tight seal and to protect against fireground contaminants. The MSA I-HUD Receiver provides wireless heads-up displayed (HUD) information, the unit fits securely inside the firefighters’ facepiece, reducing facepiece profile, eliminating snag hazards, protecting the I-HUD Receiver from the fireground environment.

### 3. Critical Communication

We’ve got you covered with communications, starting with a high-performance mechanical speech diaphragm with performance that exceeds NFPA requirements without electronics. The NEW Ultra Elite® XT Communication System electronic voice amplifier features an internal facepiece microphone that always provides clear communication especially during the most critical of times. It’s all about communication safety, the ability to speak loudly and clearly when it matters most.

### 4. Fireground Management

Firefighter accountability systems have never before been as practical, complete and user-friendly as MSA’s Accountability System. The unit displays a full array of visual and audible information for up to 100 firefighters within a one-mile-line-of-site, exactly what incident commanders wanted. Record-keeping is also made easy by downloading reports.

### 5. Emergency Egress

Firefighters must be prepared for the unexpected. Emergency egress from elevated heights can be next to impossible without the right safety equipment. That’s why the FireHawk M7XT Air Mask offers the Rescue Belt II System, an NFPA-compliant integrated self-rescue egress, providing you the firefighter with one more lifesaving option in the face of danger.

### 6. CBRN Protection

“Above and beyond” protection is also provided with the CBRN Firehawk® MMR. The CBRN Firehawk MMR includes a positive protection Tetraplex Shield to prevent contact between chemical warfare agents and the most vulnerable component of regulators, the thin elastomeric diaphragm. Other air-wash solutions may pass muster when used in laboratory conditions, providing positive protection against all potential conditions, but laboratory conditions rarely await you in the heat of battle.

### 7. Cross Contamination Protection

External hazards are bad enough without having concerns of spreading illness among firefighters through shared-use SCBA. MSA’s Ultra Elite XT Facepiece helps to protect against cross-contamination with MSA’s inhalation check valve, a must-have in modern firefighting respiratory protection.

### 8. Lightweight and Easy-to-Use

Firefighters already have enough weight to carry and gear to maintain, so MSA engineers set out to lighten your load, reduce parts count, simplify maintenance, maximize user comfort, and modularize the design.

The FireHawk M7XT Air Mask features a lightweight polymer back plate, with quick-release harness straps, user-friendly cam-lock cylinder attachment, fast change-out electronic components, large swimming lumbar pad, and compact regulators. Our air mask pneumatics deliver reliable performance with minimal internal components (fewer than 30 parts for the MMR and 14 for the first-stage regulator).

Our time-tested Ultra Elite XT Facepiece has unbeatable comfort, visibility, communications, cross-contamination protection, fit, and seal.

### 9. Expandable Technological Design

The FireHawk M7XT Air Mask electronics ensemble accepts technology upgrades through a 2.4GHz personal wireless network that transmits and receives encrypted information over short range on a firefighter’s body. This wireless feature provides the capability to add on future technology to relay additional information back to incident command through the Accountability System. You never have to worry about radio interference either – we have you covered with an RFI shield design that protects against all fireground radio signals. The new FireHawk M7XT Air Mask provides you with the best technology today and positions you for the future.
FireHawk M7XT Air Mask

- High-visibility shoulder pads
- PR14™ First-Stage Regulator with only 14 internal parts
- MSA FireHawk M7XT Control Module
- Cylinder band
- Hi-Viz™ Parachute-style friction buckles
- Single-pull or double-pull harness
- Regulator keeper
- Multiple options for facepiece, regulator, and harness assemblies
- Air delivery manufactured to NFPA standard 320 lpm rate; design qualified at twice NFPA rate (640 lpm) cyclic breathing
- Water immersion protection – M7XT electronics at 5-ft. depth for 1 hour
- RFI shielding up to 50v/m radio signal load across 80 MHz to 2.5 GHz range
- Standard equipment includes facepiece, cross-contamination check valve, thermal alarm, time-remaining display, wireless programming
- Optional equipment: Rescue Belt II System for rappelling (50-ft), M7XT Accountability System, Extend-Aire™ II and Quick-Fill® Emergency Breathing Systems, push-to-connect or slide-to-connect regulator attachments, swiveling lumbar pad, chest-strap.
- Standard equipment includes facepiece, cross-contamination check valve, thermal alarm, time-remaining display, wireless programming and network, front and rear buddy lights, auto-dim HUD, large drag-carrying handles, stainless steel cylinder band with cam-lock system.

Specifications - Ordering Information

How to Order SCBA: Get the Exact Model You Need

The Assemble-To-Order System (ATO) enables fast and easy ordering of the right mask for you. Instead of choosing from a handful of complete air mask assemblies, you can order a custom-made air mask with every option exactly as desired.

Contact MSA Customer Service for details.

<table>
<thead>
<tr>
<th>Air Mask Pressure</th>
<th>Contour Shoulder Assembly</th>
<th>Lumbar Pad</th>
<th>Belt</th>
<th>Cylinder</th>
<th>MMR Type</th>
<th>Emergency Breathing System</th>
<th>Ultra Elite XT Facepiece</th>
<th>Head Harness</th>
<th>Electronics Communications</th>
<th>Integrated PASS</th>
<th>Heads Up Display</th>
<th>Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>2216 psi aluminum</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>A-CBRN Firehawk PTC, QC</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>4500 psi low-profile</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>A-CBRN Firehawk STC, QC</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>4500 psi aluminum</td>
<td>None</td>
<td>None</td>
<td>0</td>
<td>None</td>
<td>A-CBRN Firehawk STC, QC</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Examples: L = Large, M = Medium, S = Small, A = Assembly, C = Complete, D = Deluxe, F = Factory, H = Head, N = Neck, O = Options, P = Pressure, Q = Quick-Fill, T = Tufflens, W = Wireframe, X = X-Ray, Y = Year, Z = Zephyr.

www.MSAFire.com
Ordering Information

Carbon-Wrapped Cylinders

SuperLite Carbon Cylinders

MSA’s SuperLite Carbon Cylinders reduce cylinder weight by up to 12% over traditional carbon cylinders, significantly decreasing your firefighters’ SCBA weight burden. Double-drawn, super lightweight cylinder liner combined with optimized carbon-based composite materials reduces cylinder weight while maintaining a high strength-to-weight ratio. SuperLite Carbon Cylinders incorporate the same proven technology found previously in MSA’s fully-wound carbon composite Stealth Cylinders. SuperLite Carbon Cylinders are available in four cylinder models.

Carbon-Wrapped Cylinders (2216 psi)

MSA’s 2216 psi carbon-wrapped cylinder features a unique outer-wrap made of lightweight, high-performance carbon fibers that reduces cylinder weight by two to six pounds when compared to fiberglass-wrapped cylinders and by as much as 10 pounds when compared to aluminum cylinders.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Cylinder Type</th>
<th>NSC SH Service Life</th>
<th>Pressure</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>807586-SP</td>
<td>L-30*, carbon-wrapped</td>
<td>30 minutes</td>
<td>2216 psig</td>
<td>8 lb. 0 oz.</td>
</tr>
<tr>
<td>469619-SP</td>
<td>Fiberglass hoop-wound</td>
<td>30 minutes</td>
<td>2216 psig</td>
<td>13 lb. 0 oz.</td>
</tr>
<tr>
<td>809872-SP</td>
<td>Aluminum</td>
<td>30 minutes</td>
<td>2216 psig</td>
<td>18 lb. 0 oz.</td>
</tr>
<tr>
<td>10127944-SP</td>
<td>H-30 SL, SuperLite Carbon Cylinder</td>
<td>30 minutes</td>
<td>4500 psig</td>
<td>6 lb. 9 oz.</td>
</tr>
<tr>
<td>10127945-SP</td>
<td>H-45 SL, SuperLite Carbon Cylinder</td>
<td>45 minutes</td>
<td>4500 psig</td>
<td>8 lb. 8 oz.</td>
</tr>
<tr>
<td>10149452-SP</td>
<td>H-455 SL, SuperLite Carbon Cylinder, short</td>
<td>45 minutes</td>
<td>4500 psig</td>
<td>8 lb. 2 oz.</td>
</tr>
<tr>
<td>10127946-SP</td>
<td>H-60 SL, SuperLite Carbon Cylinder</td>
<td>60 minutes</td>
<td>4500 psig</td>
<td>10 lb. 12 oz.</td>
</tr>
</tbody>
</table>

*These cylinders are capable of custom options.
**All weights shown are approximate.

MSA Accountability System

MSA’s Firehawk M7/M7XT Accountability System revolutionizes fireground safety by combining the latest computer software with a high-performance radio module and field-proven technology of MSA’s ICM TxR Integrated PASS.

Facepiece Assemblies for FireHawk M7XT Air Masks

<table>
<thead>
<tr>
<th>M7 I-HUD Receiver</th>
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<tbody>
<tr>
<td>10114910</td>
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<table>
<thead>
<tr>
<th>M7 I-HUD Receiver-Ready Assemblies</th>
</tr>
</thead>
<tbody>
<tr>
<td>10149305</td>
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<tr>
<td>10149306</td>
</tr>
</tbody>
</table>

www.MSAFire.com
Emergency Egress System / MSA Rescue Belt II System

- Rescue Belt II System
  - For Firehawk M7XT and M7 Models
  - 10119369 with 50 ft aramid/nylon rope and Crosby hook
  - 10119370 with 50 ft aramid/nylon rope and carabiner
  - 10119391 with 50 ft FireTech 32 rope and Crosby hook
  - 10119392 with 50 ft FireTech 32 rope and carabiner

MSA Ultra Elite XT Communication System for MSA Facepieces

- Ultra Elite XT Communications
  - 10144673 Ultra Elite XT amp c/w facepiece bracket and microphone
  - 10144676 Ultra Elite XT amp/radio interface c/w facepiece bracket and microphone
  - 10144672 Ultra Elite XT amp only
  - 10144675 Ultra Elite XT amp/radio interface only

The Quick-Fill System

- Quick-Fill System
  - Replacement Parts
    - 10111642 Quick-Fill System Hose Kit in pouch, 3 ft emergency transfill hose
    - 485331 Emergency transfill hose, less Kevlar pouch
    - 10111404 Replacement pouch for Quick-Fill or ExtendAire II Systems
    - 485391 Male stainless steel quick-disconnect with SAE-10 thread, complete with dust cover
    - 485392 Female quick-disconnect with SAE-4 thread, complete with dust cover

- Quick-Fill System Hoses

  25 ft: 487906 FQD x FQD
  12 ft: 487907 FQD x CGA-347 outlet
  10 ft: 487908 FQD x CGA-346 outlet
  8 ft: 487910 FQD x CGA-346 CN
  6 ft: 487427 FQD x CGA-347 CN
  3 ft: 487428 FQD x CGA-346 CN

25 ft lengths are stocked; other custom lengths are available on a special material basis. All SAE fittings are for high-pressure service. Female quick-disconnect fittings have dust covers.

RescueAire™ II Portable Air-Supply System

- RescueAire™ II System
  - For Firehawk Responder MMR and L-30 cylinder
    - 10100096 RescueAire™ II System, Firehawk Responder MMR and L-30 cylinder
    - 10100095 RescueAire™ II System, Firehawk Responder MMR, less cylinder
  - For Firehawk STC MMR and L-30 cylinder
    - 10041196 RescueAire™ II System, Firehawk STC MMR and L-30 cylinder
    - 10041195 RescueAire™ II System, Firehawk STC MMR, less cylinder
  - For Firehawk PTC MMR and L-30 cylinder
    - 10041230 RescueAire™ II System, Firehawk PTC MMR and L-30 cylinder
    - 10041231 RescueAire™ II System, Firehawk PTC MMR, less cylinder

- RescueAire™ II System, Firehawk Responder MMR and H-60 cylinder
  - 10100097 RescueAire™ II System, Firehawk Responder MMR and H-60 cylinder
  - 10100094 RescueAire™ II System, Firehawk Responder MMR, less cylinder

- RescueAire™ II System, Firehawk STC MMR and H-60SL cylinder
  - 10041199 RescueAire™ II System, Firehawk STC MMR and H-60SL cylinder
  - 10041198 RescueAire™ II System, Firehawk STC MMR, less cylinder

- RescueAire™ II System, Firehawk PTC MMR and H-60SL cylinder
  - 10041232 RescueAire™ II System, Firehawk PTC MMR and H-60SL cylinder
  - 10041233 RescueAire™ II System, Firehawk PTC MMR, less cylinder

Note: This bulletin contains only a general description of the products shown. While use and performance information is provided under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

Ordering Information

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Fax: 1-800-967-0398

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