

MSA FireHawk® M7 Air Mask

Built with durability & performance for critical life-safety personnel



WHEN YOU GO IN, WE GO IN WITH YOU.

MSA FireHawk M7 Air Mask



Determined to exceed your safety equipment expectations!

The MSA **FireHawk M7 Air Mask** represents a true technological achievement in critical personal protection. The FireHawk M7 Air Mask features **life-safety** design components built upon a **modular** air mask platform, developed to provide firefighters with a high-quality SCBA.

1. Taking the Heat

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 M7 PASS Alarm was developed in cooperation with prominent university acoustic experts, resulting in an emitter that exceeds 95 decibels of solid performance!



2. Virtually "Bullet-Proof" Electronics

Like an armor shield, the FireHawk M7 HUD, Power Module and Control Module are encased in proprietary high-temperature impact-grade polymer, providing the highest possible protection against impact and water ingress. Electronics enclosures are permanently sonically welded to a hermetic standard to ensure consistent water-tight seal. The new FireHawk M7 PASS electronics are virtually "bullet-proof" against fireground hazards.

MSA's new I-HUD Receiver is a wireless heads-up display (HUD) unit that fits securely inside of firefighters' facepieces, greatly reducing snag hazards and potential for contamination buildup. Inside facepiece placement of unit's electronics also provides protection from the elements.

3. Critical Communication

We've got you covered with communications, starting with a high-performance mechanical speech diaphragm. Backing the mechanical diaphragm is an electronic amplifier with an internal facepiece microphone for ultimate clarity. The ClearCommand® Communication System provides clear communication during the most critical times. This air mask speaks loudly and clearly when it comes to communications safety.



4. Fireground Management

Firefighter accountability systems have never before been as practical, complete and user-friendly as the MSA **Accountability System**. It's based upon the ICM® TxR Unit introduced in mid-2006 that has thousands of systems deployed in virtually every type of fire department. 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 want. Record-keeping is also made easy by downloading reports.



5. Emergency Egress

The FireHawk M7 Air Mask is not your typical SCBA. Firefighters need to be prepared for the unexpected, and emergency egress from a second floor or higher can be impossible without the right safety equipment. That's why the FireHawk M7 Air Mask offers the Rescue Belt II System, an NFPA-compliant integrated rappelling system, providing firefighters with one more lifesaving option in the face of danger.



6. CBRN Protection

"Above and beyond" protection is also provided with the Firehawk® MMR. The 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" approaches may pass in laboratory conditions, providing positive protection against all potential conditions.

7. Cross-Contamination Protection

External hazards are hazardous enough without concerns of spreading illness among firefighters through shared-use SCBA. MSA's Ultra Elite® Facepiece helps to protect against cross-contamination with MSA's inhalation check valve, a must-have in modern safety equipment.

9. Future-driven Design

The FireHawk M7 Air Mask is designed to accept **future technology upgrades**. Included in every FireHawk M7 Air Mask electronics ensemble is a 2.4GHz **personal wireless network** that transmits and receives encrypted information over a short range on firefighter's body. This wireless feature provides the capability to add on future technology that can provide 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 M7 Air Mask provides you with the best technology today and positions you for the future.



8. Lightweight and Easy-to-Use

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

The FireHawk M7 Air Mask has a lightweight polymer backplate with quick-release harness straps, error-proof cam-lock cylinder attachment, fast change-out electronic components, large swiveling lumbar pad, and regulators that fit in the palm of your hand (fewer than 30 parts for the MMR and 14 for the first-stage). Our time-tested Ultra Elite Facepiece has unbeatable comfort, visibility, communications, cross-contamination protection, fit, and seal.



What's in this **air mask**?



Hi-Viz™ luminescent cylinder band

One-way inhalation check valve



Stainless steel cylinder band with secure cam-lock system

Wide-view lens with Kevlar Speed-ON® Head Harness

Quick-Fill® URC with Audi-Larm™ Audible Alarm

LED buddy lights

PASS alarm dual sound emitters

Wireless FireHawk M7 I-HUD Receiver







Specifications

- Weight with empty H-30 cylinder (including batteries) is 20 lbs-8 oz
- FireHawk M7 Control Module is equipped with both an analog and digital pressure display
- RFI shielding up to 50 v/m radio signal load across 80 MHz to 2.5 GHz range
- PASS heat alarm performance > 95 dB @ 500°F
- Water immersion protection – FireHawk M7 SCBA electronics at five-foot depth for one hour
- Data-logging – most recent 25-hours-of-use information
- Electronic ID tagging (RFID) standard with MSA Accountability System
- Optional equipment: Rescue Belt rappelling System (50-ft.), MSA Accountability System, Extend-Aire and Quick-Fill emergency breathing Systems, push-to-connect or slide-to-connect regulator attachments, swiveling lumbar pad, and 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

Ordering Information

FireHawk® M7 Responder Air Mask

Ordering Selection Matrix NIOSH 42 CFR Part 84-certified*

A	B	C	D	E	F	G	H	I	J	K	L
Air Mask Pressure	Carrier/Harness Assembly	Lumbar Pad/Rescue Belt	Cylinder	Emergency Breathing Support	Facepiece	Nosecup	Head Harness	Electronic Communications	APR/PAPR Kits	Integrated PASS/Telemetry	Case
L 2216	A Single-pull without chest strap	0 None	0 None	0 None	A None	0 None	0 None	A None	A None	A PASS with thermal alarm activated	0 None
M 3000	B Single-pull with chest strap	1 Swiveling lumbar pad	3 30' carbon with air	1 Quick-Fill*	B Hycar small	1 Medium	2 Speed-ON* less neck strap	B ClearCommand™-ready with bracket	B APR 18" tube	B PASS without thermal alarm activated	1 Hard case
H 4500	C Double-pull without chest strap	G Rescue Belt II, w/hook, 50'	6 30' carbon less air	2 ExtendAire™ I	C Hycar medium	2 Large	4 Speed-ON with neck strap	ClearCommand C amp	C APR 22" tube	C PASS, telemetry and thermal alarm	2 Soft case
	D Double-pull with chest strap	H Rescue Belt II w/carabiner, 50'	0 None	3 Quick-Fill and ExtendAire I	D Hycar large			ClearCommand D amp/RI	D APR 18" tube with PAPR kit	D PASS, telemetry without thermal alarm	
	E Double-pull with chest strap	J Rescue Belt II, w/hook FireTech rope, 50'	1 30+ carbon with air	<p>If choosing air mask Pressure M, M is not compatible with Quick-Fill System.</p>					E APR 22" tube with PAPR kit		
	F Options A & B can be chosen only if Rescue Belt is selected.	K Rescue Belt II, w/carabiner FireTech rope, 50'	2 30+ carbon less air	A ExtendAire II							
		<p>If choosing rescue belt, carrier/harness assembly must be single-pull (Options A or B).</p>		B ExtendAire II with Quick-Fill							
			0 None	C ExtendAire I & II							
			1 30' carbon with air	D ExtendAire I & II with Quick-Fill							
			2 45' carbon with air								
			3 45' carbon H-45 SL								
			4 60' carbon with air								
			5 30' carbon less air								
			6 45' carbon less air								
			7 45' carbon H-45 SL less air								
			8 60' carbon less air								

*Special note regarding approvals – Approvals are only available (and were obtained) for each component (SCBA, APR and PAPR) as an independent regulator. Although the APR, PAPR and SCBA have been evaluated for seamless convertibility in a contaminated environment, there is currently no standard for which to seek this type of system approval and they have not been evaluated by NIOSH. Users are required to convert among modes in an uncontaminated environment. Please see user's instructions for specific approval information and limitations.

Column: A B C D E F G H I J K L

A-M7R

PART NUMBER

QUANTITY

Ordering Information

Ordering Information: Facepiece Assemblies for FireHawk M7 Air Masks

Ultra Elite M7 Facepiece, SpeeD-ON Head Harness, Nosecup, M7 HUD Bracket					
Firehawk STC			Firehawk PTC		
	Standard speaking diaphragm	ClearCommand System-ready		Standard speaking diaphragm	ClearCommand System-ready
Small	10084689	10084821	Small	10084690	10084822
Medium	10084823	10084825	Medium	10084824	10084826
Large	10084827	10084829	Large	10084828	10084830

Spare / Replacement M7 HUD	
M7 HUD	M7 HUD with bracket
10091446	10091447

APR Adapter	
Firehawk STC	Firehawk PTC
10032511	10040052

Ultra Elite M7 Facepiece Assembly, M7 I-HUD Receiver-Ready					
Firehawk STC			Firehawk PTC		
	Standard M7 I-HUD Receiver-ready	ClearCommand System-ready		Standard M7 I-HUD Receiver-ready	ClearCommand System-ready
Small	10121716	10121718	Small	10121717	10121719
Medium	10121720	10121722	Medium	10121721	10121723
Large	10121724	10121726	Large	10121725	10121727

M7 I-HUD Receiver	
10114190	Receiver, M7 I-HUD

ClearCommand Communication System for Ultra Elite Facepieces	
10024074	Amplifier Kit, complete with microphone
10023056	Replacement amplifier unit
10051290	Amplifier Radio Interface Kit, complete with microphone
10051289	Replacement amplifier radio interface unit

The ExtendAire System	
485331	Emergency transfill hose, less Kevlar pouch
485366	Quick-Fill System 3-ft. emergency transfill hose in Kevlar pouch
485391	Male stainless steel quick-disconnect with SAE-10 thread, complete with dust cover (also for use as a fitting for customized refilling systems)
485392	Female quick-disconnect with SAE-4 thread, complete with dust cover
812958	ExtendAire System air-line hose with Foster plug
812973	40" rescue hose
10031797	ExtendAire System Upgrade Kit for quick-connect Firehawk MMR
10031798	ExtendAire System Upgrade Kit for threaded Firehawk MMR
10105883	ExtendAire II System Upgrade Kit for PR14 Regulator
10111404	Replacement pouch for Quick-Fill or ExtendAire II Systems
10111642	Quick-Fill System Hose Kit in pouch, 3-ft. emergency transfill hose

Rescue Belt II	
10119369	Rescue Belt II System, FireHawk M7 Air Mask, 50-ft aramid/nylon rope, Crosby hook
10119370	Rescue Belt II System, FireHawk M7 Air Mask, 50-ft aramid/nylon rope, carabiner
10119391	Rescue Belt II System, FireHawk M7 Air Mask, 50-ft FireTech 32 rope, Crosby hook
10119392	Rescue Belt II System, FireHawk M7 Air Mask, 50-ft FireTech 32 rope, carabiner

RescueAire™ II Portable Air-Supply System	
Low-Pressure (2216 psig)	
10119369	RescueAire II System, Firehawk STC MMR with L-30 cylinder
10119370	RescueAire II System, Firehawk PTC MMR with L-30 cylinder
High-Pressure (4500 psig)	
10119391	RescueAire II System, Firehawk STC MMR with H-60 cylinder
10119392	RescueAire II System, Firehawk PTC MMR with H-60 cylinder

Accountability System

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



Accountability System	
10072240	Accountability Base Station Kit (includes software, magnetic antenna kit, USB cable, wall-mount cable, 8-24 volt power cable)
10098767	Accountability Base Station Kit (includes software, fixed antenna kit, USB cable, wall-mount cable, 8-24 volt power cable)
10083876	M7 Control Module Reader / M7 ID tag writer
10083875	M7 ID tags
10075756	Antenna Kit with magnetic base
10098766	Antenna Kit with fixed base
10063880	USB cable
10049410	8-24 volt power cable
10047342	Wall-mount power cable

Ordering Information

Carbon-wrapped Cylinders

A unique outerwrap made of lightweight, high-performance carbon fibers 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. Cylinders are available in six models to accommodate a wide range of applications.



Part No.	Cylinder Type (Cylinder & Valve)	NIOSH Service Rating Life	Pressure (psig)	Weight* (empty)
807586-SP	L-30	30'	2216 psig	8 lbs. – 0 oz.
816115-SP	L-30+	30'	3000 psig	9 lbs. – 8 oz.
807587-SP	H-30	30'	4500 psig	7 lbs. – 4 oz.
807570-SP	H-45	45'	4500 psig	9 lbs. – 7 oz.
10035644-SP	H-45 Low-Profile	45'	4500 psig	9 lbs. – 10 oz.
807588-SP	H-60	60'	4500 psig	11 lbs. – 12 oz.

*All weights shown are approximate figures.

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, 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.



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