MSA
The Safety Company

MSA FireHAWK® M7XT 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 alert 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 swiveling 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.

Specifications - Ordering Information

SCBA

- Weight with empty H-30 SL cylinder (including batteries) is 20 lbs, 8 oz
- Battery life of electronics > 1 year with frequent use (standard alkaline cells)
- RFI shielding up to 50v/m radio signal load across 80 MHz to 2.5 GHz range
- PASS device heat alarm performance > 95 dB @ 500°F
- Water immersion protection – M7XT electronics at 5-ft. depth for 1 hour
- Air delivery – manufactured to NFPA standard 320 lpm rate; design qualified at twice NFPA rate (640 lpm) cyclic breathing
- Data-logging – most recent 25-hours-of-use information
- Electronic ID tagging (RFID) standard with M7 and M7XT Accountability System
- Optional equipment: Rescue Belt II System for rappeling (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.

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.

Assemble-To-Order System for FireHawk M7XT Air Mask

(NFPA 1981 and 1982-2013 edition- compliant)
(NIOSH 42 CFR Part 84 CBRN- certified)

Air Mask Pressure	Carrier/ Harness Assembly	Lumbar Pad/ Rescue Belt	Cylinder	MMR Type	Emergency Breathing System	Ultra Elite XT Facepiece	Nosecup	Head Harness	Electronic Communi-cations	Integrated PASS	Heads-Up Display	Case
L 2216	A Single-pull without chest strap	0 None	0 None	A CBRN Firehawk STC, threaded	0 None	A Hycar™ Rubber, small	1 Medium	1 SpeeD-ON Harness less neck strap	A None	A PASS with thermal alarm activated	A M7XT HUD	0 None
H 4500	B Single-pull with chest strap	1 Swiveling lumbar pad	*2216 psi cylinders*	B CBRN Firehawk STC, QC	1 Quick-Fill System	B Hycar Rubber, medium	2 Large	2 SpeeD-ON Harness with neck strap	B Communi-cation-ready with bracket	B PASS without thermal alarm activated	B M7XT I-HUD	1 Hard case
	C Double-pull without chest strap	A Rescue Belt II System w/hook, 50'	1 3AL aluminum with air	C CBRN Firehawk PTC, threaded	2 Quick-Fill System with Hose and Pouch	C Hycar Rubber, large			C Ultra Elite XT amp	C PASS, telemetry and thermal alarm		2 Soft case
	D Double-pull with chest strap	B Rescue Belt II System w/carabiner, 50'	2 30' carbon with air	D CBRN Firehawk PTC, QC	3 Quick-Fill System ready				D Ultra Elite XT amp/RI	D PASS, telemetry and without thermal alarm		3 Facepiece bag, black, no case
	Options A & B can only be chosen if a rescue belt option is selected	C Rescue Belt II System w/hook, FireTech rope, 50'	3 3AL aluminum, less air		A ExtendAire II							4 Facepiece bag, black, with hard case
		D Rescue Belt II System w/carabiner, FireTech rope, 50'	4 30' carbon, less air		B ExtendAire II with Quick-Fill System							5 Facepiece bag, black, with soft case
		If choosing a rescue belt, the carrier/ harness assembly must be a single-pull (options A or B).	*4500 psi Cylinders*		C ExtendAire II with Quick-Fill System and Quick-Fill System transfill hose/pouch							
			0 None									
			1 30' carbon with air									
			2 45' carbon with air									
			3 45' carbon low-profile with air									
			4 60' carbon with air									
			5 30' carbon less air									
			6 45' carbon less air									
			7 45' carbon low-profile less air									
			8 60' carbon less air									

QUANTITY

A-M7XT

Carbon-Wrapped Cylinders

UP TO 12% LIGHTER

SuperLite Carbon Cylinders

SuperLite Carbon Cylinders (4500 psi)

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.

Part No.	Cylinder Type	NIOSH Service Life	Pressure	Weight
807586-SP	L-30* carbon-wrapped	30 minutes	2216 psig	8 lb. 0 oz.
469619-SP	Fiberglass hoop-wound	30 minutes	2216 psig	13 lb. 0 oz.
809872-SP	Aluminum	30 minutes	2216 psig	18 lb. 0 oz.
10127944-SP	H-30 SL, SuperLite Carbon Cylinder	30 minutes	4500 psig	6 lb. 9 oz.
10127945-SP	H-45 SL, SuperLite Carbon Cylinder	45 minutes	4500 psig	8 lb. 8 oz.
10149432-SP	H-45S SL, SuperLite Carbon Cylinder, short	45 minutes	4500 psig	8 lb. 2 oz.
10127946-SP	H-60 SL, SuperLite Carbon Cylinder	60 minutes	4500 psig	10 lb. 12 oz.

**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.

ACCOUNTABILITY SYSTEM BASE STATION KITS	10072240	Accountability Base Station Kit (includes software, ***magnetic*** antenna kit, USB cable, wall-mount cable, and 8-24 volt power cable)
	10098767	Accountability Base Station Kit (includes software, ***fixed*** antenna kit, USB cable, wall mount cable, and 8-24 volt power cable)
ACCOUNTABILITY SYSTEM	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

Facepiece Assemblies for FireHawk M7XT Air Masks

Ultra Elite XT Facepiece

Firehawk STC Regulator

Firehawk PTC Regulator

M7 I-HUD Receiver

	Small	Medium	Large	
ULTRA ELITE M7XT FACEPIECE *for Firehawk STC MMR Regulator*	10149305	10149283	10149327	External HUD Receiver-ready
	10149307	10149285	10149329	External HUD and communication-ready
ULTRA ELITE M7XT FACEPIECE *for Firehawk PTC MMR Regulator*	10149306	10149284	10149328	External HUD Receiver-ready
	10149308	10149286	10149330	External HUD and communication-ready

M7 I-HUD RECEIVER	10114190	Receiver, M7 I-HUD *(for use with Ultra Elite Facepieces equipped with Hycar Rubber nosecups)*		
	Small	**Medium**	**Large**	
M7 I-HUD RECEIVER-READY FACEPIECE ASSEMBLIES *for Firehawk STC MMR Regulator*	10149309	10149287	10149331	Standard I-HUD Receiver-ready
	10149311	10149289	10149333	Communication system-ready
M7 I-HUD RECEIVER-READY FACEPIECE ASSEMBLIES *for Firehawk PTC MMR Regulator*	10149310	10149288	10149332	Standard I-HUD Receiver-ready
	10149312	10149290	10149334	Communication system-ready

Ordering Information

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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 *(also for use as a fitting for customized refilling systems)*
	485392	Female quick-disconnect with SAE-4 thread, complete with dust cover

	25-ft	12-ft	10-ft	8-ft	6-ft	3-ft	
QUICK-FILL SYSTEM HOSES	485332	802690	802689	802688	802687	485331	FQD x FQD
	487907	802677	802675	802673	802671	492796	FQD x CGA-347 outlet
	487909	802685	802683	802681	802679	487427	FQD x CGA-347 CN
	487906	802704	802703	802702	802701	802705	FQD x SAE-4
	487908	802678	802676	802674	802672	492797	FQD x CGA-346 outlet
	487910	802686	802684	802682	802680	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 PORTABLE AIR-SUPPLY SYSTEM *Low-pressure (2215 psig)*	10100096	RescueAire II System, Firehawk Responder MMR and L-30 cylinder
	10041196	RescueAire II System, Firehawk STC MMR and L-30 cylinder
	10041230	RescueAire II System, Firehawk PTC MMR and L-30 cylinder
	10100095	RescueAire II System, Firehawk Responder MMR, less cylinder
	10041198	RescueAire II System, Firehawk STC MMR, less cylinder
	10041232	RescueAire II System, Firehawk PTC MMR, less cylinder
RESCUEAIRE II PORTABLE AIR-SUPPLY SYSTEM *High-pressure (4500 psig)*	10100097	RescueAire II System, Firehawk Responder MMR and H-60 cylinder
	10041195	RescueAire II System, Firehawk STC MMR and H-60SL cylinder
	10041199	RescueAire II System, Firehawk PTC MMR and H-60SL cylinder
	10100094	RescueAire II System, Firehawk Responder MMR, less cylinder
	10041197	RescueAire II System, Firehawk STC MMR, less cylinder
	10041231	RescueAire II System, Firehawk PTC MMR, less cylinder

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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