

## C420 MILITARY PAPR

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#### NIOSH APPROVED:

TC-23C-2188, TC23C-2303, TC23C-2308

The C420 Military PAPR is the blower of choice for current and next generation U.S. Military CBRN protective products. Over 50,000 C420 PAPR systems are fielded in the Apache Helicopter program, U.S. Special Forces, Federal tactical units and U.S. and U.K. Army NBC patient chemical casualty wrap programs.

The C420 Military PAPR is a powerful, efficient, comfortable and lightweight PAPR system with top performing filter cartridges. It filters CBRN and other contaminants from ambient air and provides a constant, filtered airflow of between 115 and 140 lpm to the user's facepiece providing a higher safety factor due to positive pressure in the gas mask.

The cooling effect of constant, filtered airflow into the facepiece reduces fogging, increases comfort and reduces pulmonary stress and any claustrophobic feelings, while conserving the strength and mental acuity of the wearer. It helps ensure mission success by extending the operational endurance of the user and facilitates heavier work performance, even in humid, heated and highly stressful environments.

The C420 PAPR offers a significant performance improvement over negative pressure respirators. Recent Protection Factor testing showed a 50,000 protection factor when the C420 PAPR was used with the M40 mask and the JSLIST suit.

The C420 PAPR is air-tight and can be effectively decontaminated of NBC agents and toxic particulates. In addition, batteries may be "hot-swapped" during use in a warm zone environment. The C420 is available with a variety of primary (10-year shelf-life) and economical long-life rechargeable or disposable alkaline battery power options. Universal chargers are available for all rechargeable battery types.

#### FEATURES:

- Increases Protection Factor over APR/Face Mask
- Lightweight, Low-profile & Comfortable
- Filter weight at Waist not Face
- Powerful, Efficient & Economical
- Reduces Pulmonary Stress
- Increases Protection Factor over APR/Face Mask
- Preserves Strength and Mental Acuity
- Battlefield Proven Technology
- Decontaminable
- Available with a variety of Face Masks & Filters
- Helps Ensure Mission Success

#### APPLICATIONS:

- Rescue & Recovery
- Decontamination Teams
- First Responder
- First Receiver
- Methamphetamine Lab Clean Up
- SWAT & Special Operations
- Military & Federal Operations



C420 Blower, 3-Speed Shown  
Apache Aviator M48 Mask System

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### C420 MILITARY BLOWER PERFORMANCE

<b>Airflow</b>	>120 lpm / 4 cfm
<b>Battery Run Time</b>	LiSO <sub>2</sub> , BA-5800/U: >7 hours Rechargeable: >4 hours
<b>Ambient Temperature</b>	-32 to 49° C / -26 to 120° F
<b>EMI</b>	MIL-STD-461C, Part 4, RE02
<b>Environmental</b>	Water and dust protection
<b>Decontamination</b>	C420 performance not affected adversely by decontamination
<b>MTTF</b>	>1,000 hrs (per EA-DTL-1827)
<b>Dimensions (W x H x T)</b>	220mm x 226mm x 86mm
<b>C420 Weight</b>	675gr / 23.78 oz



### ORDERING INFORMATION:

M-60031-001	C420 Blower, Single-Speed Toggle
S-30020-001	Airflow Indicator (AFI)
S-30021-001	Decon. Belt Assy., 70" Lg. x 2" Wide (Other Belt Options Available)
10072237	STI GME Multi-Gas HE Cartridge (2 ea required) (Other Filter Options Available)
M-40023-001	Promask 2000 Full Facepiece (Other Mask Options Available)
S-30013-001	Breathing Tube Assy. w/90° Swivel (Other Breathing Tube Options Available)
M-20020-001	Battery, LiSO <sub>2</sub> , BA-5800/U Primary Battery >7hr, Disposable, 10-yr Shelf-Life)
S-20040-001	1-Position Rapid Battery Charger w/ (2) Batteries, Rechargeable w/(1) Cap (Other Power Options Available)

### CONTACT FACTORY FOR MILITARY PRICING

SafetyTech International offers many variations of the C420 PAPR. Please contact the factory for assistance in selecting the appropriate model and options. Our skilled representatives will help you assemble a kit best suited to your specific application. Our trained sales staff can guide you through the selection process to ensure that you have the proper materials for training, as well as, mission ready supplies. Often, we recommend rechargeable batteries for use in training situations and an extended (8 to 10 Hour) Mission battery. Will you require decontamination? We may suggest shower caps for the filters and a decon belt that can be easily cleaned and used again. We look forward to providing the very best in customer support!

## C420 MILITARY PAPR

Part Number:	C420 Blower Description:
M-60010-001	C420 Blower, 3-Speed (NSN 4240-01-442-8415)
M-60082-001	C420 Blower, 3-Speed w/Bladder
M-60016-001	C420 Blower, 3-Speed w/Remote Cable Connector *
M-60083-001	C420 Blower, 3-Speed w/Bladder, w/Remote Cable Connector *
M-60038-001	C420 Blower, 3-Speed w/Remote Cable Assembly
M-60084-001	C420 Blower, 3-Speed w/Bladder, w/Remote Cable Assembly
M-60031-001	C420 Blower, Single-Speed Toggle (NIOSH-approved)
M-60036-001	C420 Blower, Single-Speed Toggle w/Remote Cable Assembly

Part Number:	Accessory Description:	NSN:
S-30020-001	C420 Airflow Indicator (AFI)	(NSN 6640-01-500-7721)
S-30067-001	C420 Breathing Tube Assy. w/75° ½ Swivel	
M-20020-001	C420 Battery, Dry, LiSO <sub>2</sub> , BA-5800/U	(NSN 6665-99-760-9742)
M-20036-001	C420 Battery, Rechargeable	(NSN 6140-01-500-9672)
M-30060-001	C420 Battery Cap Assembly, Rechargeable	(NSN 6130-01-500-9676)
S-20036-001	C420 Battery, Rechargeable w/Cap	
S-20036-002	C420 Batteries (2), Rechargeable w/ (1) Cap	
S-20040-001	C420 1-Position Battery Charger w/ (2) Batteries, Rechargeable w/ (1) Cap	
S-20037-001	C420 1-Position Rapid Battery Charger	
S-20038-001	C420 4-Position Battery Charger with IEC Conn.	(NSN 6130-01-500-9675)
S-30021-001	C420 Decon. Belt Assy., 70" Lg. x 2" Wide	
S-30019-001	C420 Web Belt Assy., 60" Lg. x 2" Wide	
M-60039-001	C420 Remote Cable Assembly (Required with M-60016-001 and M-60083-001)*	
M-70005-001	C420 Filter Cartridge	(NSN 6640-01-500-7117)
M-70005-020	C420 Filter Cartridges (Case of 20)	(NSN 6640-01-500-7706)
M-70004-001	Shower Cap, Filter	(NSN 4240-01-508-3184)

**C420 AND END ARTICLE NSN'S**

<b>NSN:</b>	<b>Description:</b>
	<b>Lightweight Motor Blower (LWMB Assembly)</b>
NSN 4240-01-442-8415	C420 Blower, Three-Speed
	<b>Lightweight Motor Blower (LWMB) Tester, M48 Mask</b>
NSN 4240-01-497-5068	81361 5-1-3500
	<b>Mask, Chem-Bio, Aircraft: Apache Aviator M48</b>
<b>TM 3-4240-342-10:</b>	
NSN 4240-01-386-0198	Small
NSN 4240-01-386-4686	Medium
NSN 4240-01-386-0201	Large
NSN 4240-01-386-0207	Extra Large
	<b>Improved Toxicological Agent Protective Suits (ITAP)</b>
<b>TM 10-8415-233-12&amp;P:</b>	
NSN 8415-01-463-5829	BAC130TAL Large
NSN 8415-01-463-7150	BAC130TAM Medium
NSN 8415-01-463-7151	BAC130TAS Small
NSN 8415-01-463-5830	BAC130TAX X-Large
	<b>Patient Chemical Protective Wrap</b>
NSN 8456-01-079-9875	Patient Protective Wrap