



## C420 PAPR SYSTEM w-Promask 2000

NIOSH APPROVALS:  
TC-23C-2457, TC-23C-2486  
HE/AM/CD/CL/FM/HC/HF/HS/MA/OV/SD/CS/CN

### PRODUCT OVERVIEW

The C420 PAPR is most popular first responder PAPR system in the world. It is used in military, tactical, aviation and industrial applications worldwide.

The C420 PAPR™ system filters contaminants from ambient air and provides a constant, filtered airflow of between 115 and 140 liters per minute to the user’s facepiece thus providing a much higher safety factor due to positive pressure in the mask.

The cooling effect of constant filtered airflow into the facepiece provides a high degree of comfort; extends operational endurance and facilitates heavier work performance, even after extended wearer times in humid, heated and highly stressful conditions. The airflow also prevents fogging in the facepiece and drastically reduces any feelings of claustrophobia.

Available with Hydration, PN: N-60198-001  
Available w-OUT Hydration, PN: N-60199-001

### FEATURES & BENEFITS

- Greatly reduces pulmonary stress
- Preserves strength and mental acuity
- Helps ensure mission success
- Increases protection factor
- Decontaminable
- Battlefield proven technology
- Live agent tested
- NIOSH-approved
- Lightweight and comfortable
- Economical

**NOTE:** C420 live agent permeation testing of IRT C420 models, conducted at Aberdeen Proving Grounds, by the U.S. Army, featuring live agent concentration levels grossly in excess of PAPR IDLH levels still resulted in non-detect readings for agent permeation of the C420

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**NIOSH C420**  
**Promask 2000, PN: M-40082-001**



**C420 Pouch, Black, PN: M-45212-BLK**

### C420 SPECIFICATIONS

<b>Flow Rate</b>	>120 lpm exceeds NIOSH minimum requirements
<b>Power</b>	C420 Battery, LiSO <sup>2</sup> BA 5800/U: operates 7+ hours C420 Battery, NiMH Rechargeable: operates 4 hours
<b>Temperature Range</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 to IP68 (inlet & outlet ports must)
<b>Decontamination</b>	Decontaminable
<b>MTTF</b>	>1,000 hrs (per EA-DTL-1827)
<b>Overall Dimensions</b>	
Width	220mm 7.87 inches (w/out filters)
Height	226mm 8.90 inches.
Thick	86mm 3.39 inches
Weight	675gr 1.5 lbs. (w/out cartridges and battery)
Weight	1590gr 3.5 lbs. (with (2) cartridges and battery)