


ULTIMATE RESPIRATORY PROTECTION

- Operationally proven
- Live agent tested
- User-friendly and intuitive design
- Lightweight and compact
- Reduced user burden

A detailed view of the Airboss C420 PAPR system components. It includes a black helmet with a large, clear visor and a circular filter on the side. A flexible, black corrugated hose connects the helmet to a central control unit. The control unit features two large, circular, metallic filters and a black handle with an 'OFF' switch. The entire system is set against a background of thick, white smoke.

AIRBOSS C420 PAPR SYSTEM

ADG
AIRBOSS DEFENSE GROUP
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AirBoss C420 PAPR System

The C420 PAPR system filters contaminants from ambient air and provides constant, filtered airflow to the facepiece. Cool, filtered airflow offers a high degree of comfort, extending user operational endurance for long durations, even in the harshest environments. The C420 is a time-tested choice among military, law enforcement, and first responders.

Tailorable Protection



NIOSH-Approved Configurations

- Single-speed CBRN blower with LBM
- Single-speed blower with Promask 2000
- Single-speed CBRN blower with Promask 2000



Other configurations

- Single-speed blower with LBM
- Three-speed blower with LBM
- Three-speed blower with Promask 2000



Specifications

FLOW RATE

Single-speed blower: >115 lpm

Three-speed blower:

First: 85–100 lpm

Second: 110–120 lpm

Third: 130–140 lpm

BATTERY

Non-rechargeable operates 7+ hours

Rechargeable operates 4 hours

TEMPERATURE RANGE

–26°F to 120°F (–32°C to 49°C)

ELECTROMAGNETIC INTERFERENCE (EMI)

MIL-STD-461C, Part 4, RE102

ENVIRONMENTAL

Water and dust protection to IP68 with
inlet and outlet ports covered

EXPECTED WORKING LIFE

> 1,000 hrs (per EA-DTL-1827)

OVERALL DIMENSIONS

Width: 8.12 in (206 mm)

Height: 9 in (229 mm)

Depth: 3 in (76 mm)

WEIGHT

1.44 lb (653 g) blower only

3.75 lb (1.70 kg) with 2 cartridges and
battery

NOTE 1: C420 live agent permeation testing of ADG C420 models, conducted at Aberdeen Proving Grounds, by the U.S. Army, featuring live agent concentration levels in excess of PAPR IDLH levels, still resulted in non-detect readings for agent permeation.

NOTE 2: This product is under the jurisdiction of the U.S. Department of Commerce and has an Export Classification Control Number (ECCN) of 1A004.a. Transfer of hardware or related technical data may require an export license, depending on the country of ultimate destination and end-user, and will be determined on a case-by-case basis.

NOTE 3: The NIOSH-approved respirator can interface with the Multipurpose Hydration System (MPHS) and the CamelBak Hydration System but the full configuration to include either hydration system is not NIOSH approved.