

ULTIMATE RESPIRATORY PROTECTION

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

AIRBOSS C420 PAPR SYSTEM

ADG
AIRBOSS DEFENSE GROUP
adg.com

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.



2550 Auburn Court
Auburn Hills, MI 48326

info@adg.com
www.adg.com

© Copyright 2026 AirBoss Defense Group. All rights reserved. AirBoss Defense Group, ADG, and the ADG logo, are trademarks of AirBoss of America and/or AirBoss Defense Group in the U.S. and other countries. Other marks may be mentioned herein that belong to other companies. Product specifications subject to change without notice. Pictures shown may vary from actual product.

