

Honeywell





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Product Family

SC420 CBRN Powered Air Purifying Respirator (NIOSH)

The SC420 CBRN PAPR is a durable, lightweight and efficient system that is easy to use in high stress environments.



Product Numbers & Ordering Information	Product Numbers	Details
	560004	<p>SC420 CBRN PAPR Pre-Configured System with D-Cell Battery Pack Includes SC420 CBRN Blower, D-Cell Battery Pack, Airflow Indicator Tool, Decon Belt, Breathing Tube, 2 CBRN Canisters, 2 Shower Caps, Black Carrying Case, Approved Environmental Battery Storage Box (Facepiece Not Included)</p>
	560008	<p>SC420 CBRN PAPR Pre-Configured System with Nickel Metal Hydride Rechargeable Battery (includes charger and extended green cap) Battery Pack Includes SC420 CBRN Blower, Nickel Metal Hydride Rechargeable Battery, Battery Charger, Battery Cap, Airflow Indicator Tool, Decon Belt, Breathing Tube, 2 CBRN Canisters, 2 Shower Caps, Black Carrying Case, Approved Environmental Battery Storage Box (Facepiece Not Included)</p>

	<p>560002</p>	<p>SC420 CBRN PAPR Pre-Configured System with Lithium Sulfur Dioxide Battery</p> <p>Includes SC420 CBRN Blower, Lithium Sulfur Dioxide Battery, Airflow Indicator Tool, Decon Belt, Breathing Tube, 2 CBRN Canisters, 2 Shower Caps, Black Carrying Case, Approved Environmental Battery Storage Box (Facepiece Not Included)</p>
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Overview

Key Features

Survivair Opti-Fit™ CBRN Facepiece• Optically true with greater peripheral vision and unobstructed view

- Chemical and nuclear resistant butyl rubber skirt
- Available with or without hydration tube
- Choice of Kevlar mesh headnet or 5-point straps

Blower Unit• Based on the C420 blower design being used by 50,000 military personnel

- Resistant to chemical, biological, and warfare agents
- EMI shield (per military standards) will not interfere with radio communications

Breathing Hose• EPDM breathing hose is resistant to the harshest of chemical agents and nuclear debris

- 38" breathing hose provides added comfort for taller users
- Low-profile 90 degree connector developed with U.S. Special Forces

Power Supply• Three separate power supply options, all hot-swappable

- Four D cell alkaline battery holder pack that runs off four D cell alkaline batteries easily found in retail stores
- Rechargeable NiMH battery
 - Reusable, 500-700 times when properly charged and maintained
 - 4 hour run time
- Lithium battery
 - One time use with 10 year shelf life
 - 8-10 hour operation duration

Canisters• Provides respiratory protection against chemical, biological and nuclear agents

- Built-in P100/HE Filter
- Low profile design reduces snags once attached to the blower

Accessories• D-ring option for decon belt with a pull force of over 1,000 lbs. Holds tools, rope, etc.

- Black carrying case holds all components

Products or Technical data that are subject to U.S. Export Administration Regulations may require the approval of the U.S. Department of Commerce prior to export or re-export.

Recommended Industries/Use

- Fire Protection

- Government
- Law Enforcement
- Military
- Nuclear
- Utilities

Hazards

- Airborne Particulates
- Biohazard
- Chemical
- Contamination
- Extreme Environment
- Gas, Vapors, Smoke

Regulations

- - NIOSH Approved

Specifications

Maximum Flow Rate	115 — 140 lpm
Battery Run Time	D Cell: 10-12 hours ; LiSO2: 4 hours ; NiMH: 8-10 hours
Ambient Temperature	-26° to 120° F / -32° to 49° C
EMI	MIL-STD-461C,Part 4, RE02
Environmental	Water and dust protection
Decontamination	Performance not affected adversely
Blower Life	MMTF > 1000 hrs

Literature & Documents



- [Honeywell Sperian SC420 560002 Powered Respirator](#)
- [Honeywell Sperian SC420 560004 Powered Respirator](#)
- [Honeywell Sperian SC420 560008 Powered Respirator](#)
- [Honeywell Sperian SC420 565092 Powered Respirator](#)
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