POWERED AIR-PURIFYING RESPIRATOR

SCA 240N

Powered Air-Purifying Respirator (PAPR) NATO 40 mm compatible · Positive pressure

MODEL · SCA 240N



OVERVIEW

Turns a standard gas mask into a positive-pressure system — 85–100 L/min of clean air.

Elevate CBRN defence capability with the SCA 240N, a ruggedised powered air-purifying respirator that transforms standard gas masks into high-performance positive-pressure systems. It delivers a consistent 85–100 L/min of clean air, virtually eliminating breathing resistance and reducing physiological burden during high-intensity operations. The radial blower forces filtered air into the mask, allowing operators to breathe naturally without lung strain while maintaining positive-pressure protection for maximum safety factor.

85–100	> 4 h	1,100 g
L/min filtered airflow	continuous operation	without canisters

FUNCTIONS / FEATURES

06 FEATURES

01

Active Air Supply

PAPR belt system with a powerful radial blower; reduces physiological burden by up to 60% versus passive systems.

02

Positive Pressure Protection

Maintains positive pressure inside the face-piece at all times, preventing inward leakage even during high physical activity.

03

Extended Operation Time

Ni-MH battery for 4+ hours, quick-change battery system, up to 400 recharge cycles, full charge in under 6 hours.

04

Ruggedised Design

Noryl plastic housing for durability and chemical resistance; operates from -20 °C to +43 °C.

05

Versatile Interoperability

Compatible with K10, K3 and all NATO-standard masks; dual 40 mm STANAG 4155 canister mounts; revolving elbow connector.

06

Operational Advantages

Reduced fatigue in prolonged operations, better cognitive performance and increased mission endurance.

Specifications are subject to change without prior notice for product improvement. Values are typical and based on manufacturer and certification test data. · Rev. 2026-10

SCA 240N Powered Air-Purifying Respirator (PAPR)

SPECIFICATION

SCA 240N

TECHNICAL SPECIFICATIONS

Material	Body: MPPO plastic
Total weight	**1,100** g (without canisters)
Dimension	**220** × **210** × **105** mm
Operating temperature	**-20** °C to **+43** °C

BATTERY & PERFORMANCE

Component	Specification	Value
Battery type	Ni-MH	4.8 V / 240 g
Service time	Continuous	> **4** hours
Charging time	Full charge	< **6** hours
Recharge cycles	Battery life	**300–400** times
Airflow (with canister)	Operational	**85–100** L/min
Motor service life	Expected	**5,000** hours

PRODUCT DETAILS

06 VIEWS



01 Active Air Supply



02 Positive Pressure Protection



03 Extended Operation Time



04 Ruggedised Design



05 Versatile Interoperability



06 Operational Advantages

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