

# Powered Respirator Protective Suit



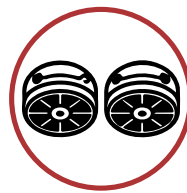
**CBRN**



The Powered Respirator Protective Suit (PRPS) is a gas-tight chemical protective suit designed for emergency response and CBRN operations. It combines advanced chemical protection with a powered respirator system for enhanced safety, comfort, and mobility in hazardous environments.

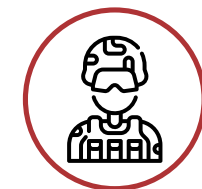
## Features:

- ▶ Type 1 gas-tight protection.
- ▶ Integrated powered respirator.
- ▶ Twin CBRN protection filters.
- ▶ Panoramic clear visor.
- ▶ Chemical-resistant glove system.
- ▶ Lightweight durable construction.



## Applications:

- ▶ CBRN response.
- ▶ Hazardous material handling.
- ▶ Fire & rescue operations.
- ▶ Military & civil defence.
- ▶ Chemical spill response.
- ▶ Decontamination procedures.



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**CBRN**

## Advantages:

- ▶ Provides complete gas-tight chemical protection.
- ▶ Lightweight design for improved mobility.
- ▶ Continuous airflow enhances wearer comfort.
- ▶ Reduces breathing resistance and fatigue.
- ▶ Suitable for extended operation durations.
- ▶ Compatible with facial hair and glasses.
- ▶ Improves visibility and communication.
- ▶ Reusable after inspection and re-certification.
- ▶ Lower physiological stress compared to SCBA suits.
- ▶ Ideal for CBRN and hazardous material response..



## Technical specs:

### Specification

### Details

Suit Type	Type 1 Gas-Tight Protective Suit
Compliance Standards	EN 943-2:2019 (ET), EN 12941:1998+A2:2008
Material	Multi-layer chemical barrier fabric
Airflow	Minimum 160 l/min
Noise Level	<75 dB
Protection Rating	Ip64
Respirator System	Powered Air Purifying Respirator (PAPR)
Filter Type	CBRN A3B2E2K2P Filters
Battery Backup	1 hour + 15 min decontamination
Visor	Laminated panoramic visor
Boots	Attached chemical safety boots
Shelf Life	Up to 10 years
Maximum Pack Weight	13 kg

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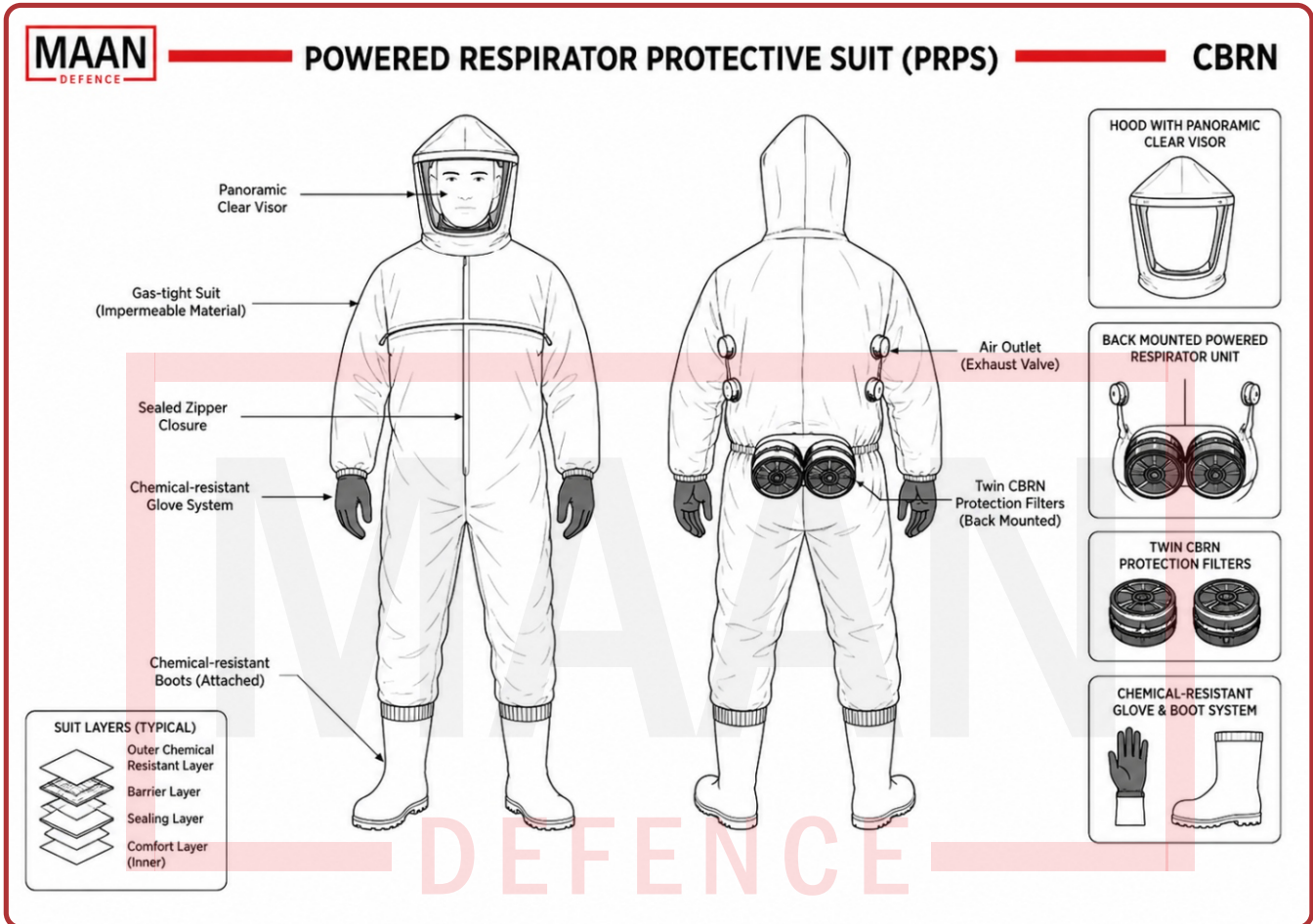
## CBRN



**MAAN**  
DEFENCE

### POWERED RESPIRATOR PROTECTIVE SUIT (PRPS)

### CBRN



## Powered Respirator:

- Worn inside the PRPS suit, Chemical Powered Respirator delivers reliable respiratory protection with advanced airflow control and externally mounted filters. Its durable, easy-clean design includes auto-closing inlets to reduce contamination during filter changes, along with audio and visual alarms for added user safety. Compatible with rechargeable or long-life batteries, the system is designed for demanding chemical and biological protection environments.



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## Supplied Accessories:

- ▶ **Battery** - Lithium battery for immediate operational use with an extended ten year storage life.



- ▶ **Hydration system** - Camelback hydration system worn inside the suit.



- ▶ **Hazbag Containment Bag**- A hazardous material containment bag manufactured from Chemprotex™ 300 material.



- ▶ **Transport/Storage Box** - Rigid protective plastic storage and transportation box for suit and all supplied accessories.



- ▶ **Filters (x2)** - CleanAIR® CBRN (A3B2E2K2P) operational filters are supplied with the suit, together with a splash guard cover that clips over both filters once fitted.



- ▶ **Hard Hat** - Peakless hard hat that can be worn comfortably inside the PRPS suit.



- ▶ **Under-gloves and Socks** - A pair of under gloves for wearer comfort and a pair of thick socks to accommodate wearers with smaller feet.



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