

PPAPL

MULTI-POSITION POWERED AIR PURIFYING RESPIRATOR

Avon Protection introduces a new generation of CBRN **Powered Air Purifying Respirator** (PAPR), the Avon MPPAPR system.

A departure from traditional rigid plastic construction systems, the Avon MPPAPR is the world's first flexible PAPR unit, constructed from the same field proven chlorobutyl rubber, as used for the Avon 50 series masks range.

The Avon MPPAPR module delivers a compact and easily integrated PAPR unit providing cooling, lower user burden and reduced pulmonary stress.

The unique shape and construction allows the wearer to mount the PAPR in multiple ways, maximizing integration while delivering higher protection levels and improved well being.

Multiple product approvals allow the user to add Avon MPPAPR to existing fielded systems such as the 50 Series APR's, convert into a combination PAPR (Avon CSPAPR) or revert back to an Avon EZAir+ configuration.



MODULAR CONSTRUCTION

APPLICATIONS







- Military
- Law Enforcement
- Special Operations
- Federal Security/Border Control
- HAZMAT
- Post-Fire Clean Up

- Optional remote power switch for simple operation at the mask (Standard on MPPAPR+ System)
- Addition of combination hose module for use with supplied air cylinders of varying sizes (Option)
- Removal of Flexible PAPR Module reverts system back to Avon EZAir+ mode





INCREASED OPERATIONAL TIME



- Multiple long duration battery packs including electronic fuel gauge on Li-lon rechargeable variant
- Constant flow rate through filter dramatically reduces inhalation resistance and fatigue
- Hot swap battery allows for rapid exchange even in a contaminated zone

OPTIMIZED INTEGRATION



- Ergonomically back mounted carrier system with integrated hydration option
- Direct MOLLE mount to ballistic vests or other protective equipment
- Traditional belt mount fits waists up to 70"
- S-Shape hose with crush proof technology delivers superior integration, resolving 'snag and grab' issues associated with traditional air supply hoses

INTELLIGENT CONTROL SYSTEMS

- Automatic flow control adjusts to filter type and maximizes battery life
- Low flow and battery alarms alert wearer to potential issues (Can be silenced for stealth operation)
- Dual speed function automatically reduces flow of Avon EZAir+ when removed from Flexible PAPR Module for single filter use

NOVEL MATERIAL TECHNOLOGIES

- FLEXIBLE PAPR MODULE: Outer flexible chlorobutyl rubber body with inner crush resistant core conforms to the wearer while providing superior impact resistance
- UNIVERSAL HOSE: Unique one size lightweight and flexible hose. Dual wall construction with CBRN hardened outer and metal reinforced crush proof polyurethane inner

TECHNICAL DATA

Unit Size	420mm L (16.5") x 115mm H (4.5") x 140mm W (5.5")	
Unit Weight (No battery or filter)	1.28 Kg (2.82 lbs)	
Unit Weight (No Filter (6xCR123)	1.5 Kg (3.30 lbs)	
Flow Rate	120 lpm controlled flow	
Operational Noise @120lpm	<60 dBa	
Run time	CR123, Li-lon battery	4+ hours
	Li-Ion Rechargeable battery	8+ hours
Operational Temperature	-32°C to 49°C	-26°F to 120°F
Protection Factor PAPR	10,000 (PAPR On), 2000 (PAPR Off)	
Alarms	Low Battery, High Resistance, Restricted Flow (all can be silenced)	
Construction	CBRN Hardened Butyl and Noryl	
Operation	Smart integrated power button on unit Remote power button on hose (optional)	
Interface with APR	Crush proof hose with close fit 40mm (STANAG) APR connection, one size fits all	
Intrinsically Safe	No	

PART NUMBERS		
Part Number	Description	
601033	Avon MPPAPR Kit Contains: Avon EZAir+ Blower, Flexible PAPR Module, Universal Hose & Cover, Flow Tube & PAPR Back Harness	
601034	Avon MPPAPR+ Kit Contains: Avon EZAir+ Blower, Flexible PAPR Module, Universal Hose & Cover, Remote Power Switch, Flow Tube, PAPR Back Harness	
600210	Avon EZAir+ Blower	
200000	Flexible PAPR Module	
600213	2800 Replaceable Battery	
600214	5200 Li-lon Rechargeable Battery	
600201	Battery Charger	
600460	PAPR Back Harness	
200203	Universal Hose	
600171	Universal Hose Cover	
200466	Remote Power Switch	
600271	Flow Meter	
600790	CBRNCF50e Filter	
600796	CTCF50e Filter	

Front Cover: MPPAPR shown in back mount position.



Pending Article 10 to PPE Directive 89/686/EEC

* MPPAPR certified in back mount position with PAPR Back Harness only.

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