

AVON EZAIR+™

CBRN BREATH ASSIST POWERED UNIT



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AVONAIR
INTEGRATION SYSTEM

AVON
PROTECTION

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Avon EZAir+® is the newest generation of single filter airflow system, substantially smaller and lighter than traditional powered air units. Avon EZAir+ also provides the power source for all configurations of the AvonAir range.

Five years of research and development have resulted in the first CBRN air-system that delivers the benefits of a traditional Powered Air Device in a more compact and integrated system.

Modular methodology allows users to add Avon EZAir+ to existing fielded systems such as the 50 Series APR's and convert into a two filter PAPR system for increased performance.

Avon's EZAir+ continuous fresh airflow helps relieve the burden of heavy breathing enabling responders to easily communicate and reduce fatigue.

With fewer parts, Avon EZAir+ operational costs are up to 70% less than traditional airflow systems resulting in the lowest cost of ownership.



Avon EZAir+ shown in belt mount position

APPLICATIONS



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

MODULAR UPGRADE OPTIONS

- Remote power switch for simple operation at the mask
- Flexible two filter PAPR module, automatically adjusts Avon EZAir+ to meet required higher flow rates
- Combination hose allows for SCBA connection for Combination Respirator Unit (CUR) use



MPPAPR

POWERED CBRN FILTRATION

- Less Breathing Resistance
- Cooling Sensation
- Increased confidence



FILTER

UNIVERSAL HOSE

BATTERY

AVON EZAIR+

INCREASED OPERATIONAL TIME

- Multiple battery options provide user with over 8 hours run time off one pack (Rechargeable pack only)
- 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

- Integrated MOLLE panel and belt options securely mount Avon EZAir+ to other protective equipment
- 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 preserves battery life
- Low flow and battery alarms alert wearer to potential issues (Can be silenced for stealth operation)
- Dual speed function – automatically recognizes flexible plenum module and increases flow rate to accommodate two filter PAPER requirement.

NOVEL MATERIAL TECHNOLOGIES

- One size lightweight and flexible hose. Dual wall construction with CBRN hardened outer and metal reinforced crush proof polyurethane inner
- Military pedigree plastics used for superior resistance to chemical and impact damage

TECHNICAL DATA

Blower Size	Height 70mm (2.75") x Diameter 120mm (4.7")	
Unit Weight (No battery or filter)	0.64 kg (1.4 lbs)	
Unit Weight (No Filter (4xCR123))	0.77 kg (1.7 lbs)	
Flow Rate	60lpm controlled flow (120lpm when used with MPPAPR module)	
Operational Noise @120lpm	<60 dBa	
Run time	CR123, Li-Ion Battery	4+ hours
	10 yr, One time use Li- Ion Battery	4+ hours
	Li-Ion Rechargeable Battery	8+ hours
Operational Temperature	-32°C to 49°C	-26°F to 120°F
Protection Factor APR	>2000	
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
601032	Avon EZAir+ Kit CE Contains: Avon EZAir+ Blower, Universal Hose & Cover, MOLLE/Belt Carrier & Flow Tube
600210	Avon EZAir+ Blower
600207	1400 Replaceable Battery
600209	1400 Single Use Battery
600208	2600 Li-Ion Rechargeable Battery
600201	Battery Charger
600459	Belt MOLLE Harness, BA
200203	Universal Hose
600171	Universal Hose Cover
600457	Shoulder Straps
200466	Remote Power Switch
600458	Belt Strap
600347	Carrier, BA
600271	Flow Meter
600790	CBRNCF50e Filter
600796	CTCF50e Filter



Pending Article 10 to PPE Directive 89/686/EEC
* Avon EZAir+ certified in belt mount position only.

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