

AVON EZAIR®

CBRN BREATH ASSIST POWERED UNIT



CBRN Breath Assist Unit

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



MP-PAPR

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



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 PAPP requirement.

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



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
	Li-Ion Rechargeable Battery	8 hours
Operational Temperature	-20°C & 49°C	-4°F & 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	

Avon EZAir Base Kit
Avon EZAir Blower
Universal Hose
Universal Hose Cover
Belt Strap
Belt MOLLE Harness, BA
Carrier, BA
Shoulder Straps
Flow Meter
* Many configurations available. Please contact Customer Service for further options.
Power Options
1400 Replaceable Battery
2600 Li-Ion Rechargeable Battery
Battery Charger
Filtration Options
CBRNCF50e/CBRNCF50i Filter
CTCF50e/CTCF50 Filter
Accessories
Remote Power Switch



Type-examination approval: PPE Regulation 2016/425/
EU - Module B: Certificate CE 684847.



NIOSH Approved CBRN APR Statement of Standard and
Title 42 CFR 84

TC-14G-0345 with C50

TC-14G-0346 with FM54

* Avon EZAir certified in belt mount position only.

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