

AVON
CS-PAPR™

COMBINATION SYSTEM POWERED
AIR PURIFYING RESPIRATOR

AVONAIR
INTEGRATION SYSTEM

AVON
PROTECTION



POWERED AIR PURIFYING RESPIRATOR

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The Avon CS-PAPR is the newest generation of CBRN Powered Air Purifying Respirator (PAPR) designed to integrate with Combination Unit Respirators (CUR's).

The capability to change levels of protection dependent on the threat, now provides the wearer with increased duration on target and safer operation.

Utilizing the Avon MP-PAPR Module along with the patented Combination Hose Module, the wearer can seamlessly switch between APR, PAPR and SCBA modes of protection. The single air hose connection for all modes leaves one side of the mask clear for optimum weapon sighting.

The low profile shape of the Avon CS-PAPR delivers best in class integration with SCBA systems, benefiting the wearer with reduced weight and size compared to traditional systems.

Modular Methodology allows the user to either add the Avon CS-PAPR to existing fielded systems such as the FM53 APR and ST53 SCBA, use as a regular PAPR (Avon MP-PAPR) or revert back to the Avon EZAir configuration.



APPLICATIONS



- Military / EOD
- Law Enforcement
- Special Operations
- Federal Security / Border Control
- HAZMAT

PATENTED COMBINATION HOSE

- Press and turn rotary selector prevents accidental actuation
- PAPR automatically powers up/down with selector rotation
- SCBA can be primed allowing the user to switch modes in one simple action
- 'Fail-Safe' pneumatic operation of hose defaults to APR when SCBA air runs-out



POWERED CBRN FILTRATION

- Increased operational time on target
- Seamless transition between modes
- Optimum protection level for identified threat



INTELLIGENT INTEGRATION



- Optional CUR Carrier System allows users to rapidly separate SCBA from PAPR if required
- Crush resistant 'S-Shape' hose with low profile hose end removes potential for snags and seal breaks

AUTO FILTER COVERS (OPTIONAL ACCESSORY)



- Patented modular design allows for quick fitting onto existing Avon MP-PAPR filter mount
- Covers are pneumatically operated by the combination hose and seal PAPR filters when in SCBA mode
- Easy to view indicator informs others of filter cover status
- Integrated rubber impact bumper also acts as decontamination shower cover

OPERATIONAL FLEXIBILITY

- Avon CS-PAPR also can be re-configured by wearer by users to work as Avon EZAir or Avon MP-PAPR mode

LOW COST OF OWNERSHIP

- Modular build platform with shared components reduces logistical cost and amount of equipment
- Permanent 2D barcoding allows for Avon Asset Management tracking to be utilized
- Technology upgrades programs benefit from the modularity of the AvonAir powered air range

TECHNICAL DATA

Unit Size	420mm L (16.5") x 115mm H (4.5") x 140mm W (5.5")	
Unit Weight (No battery or filter)	1.75 kg (3.8 lbs)	
Unit Weight (No Filter (6xCR123))	1.97 kg (4.3 lbs)	
Flow Rate	120 lpm controlled flow	
Operational Noise @120lpm	<60 dBa	
Run time	CR123, Lithium Battery	4+ hours
	Li-Ion Rechargeable Battery	8+ hours
Operational Temperature	-30°C to 45°C	-22°F to 113°F
Protection Factor PAPR mode	10,000 (PAPR On), 2,000 (PAPR Off)	
Protection Factor SCBA mode	100,000	
Alarms	Low Battery, High Resistance, Restricted Flow(all can be silenced)	
Construction	CBRN Hardened Butyl and Noryl	
Operation	Integrated Rotary Selector. Wearer can select either APR, PAPR and SCBA modes by pushing in and rotating selector	
Interface with APR	Crush proof hose with close fit 40mm (STANAG) APR connection, one size fits all	

CS-PAPR Base Kit	
Avon EZAir Blower	■
Flexible PAPR Module	■
Combination Hose Module	■
Combination Hose Cover	■
PAPR SCBA Harness	■
Flow meter	■
* Many configurations available. Please contact Customer Service for further options.	

Power Options	
Description	
2800 Replaceable Battery	
5200 Li-Ion Rechargeable Battery	
Battery Charger	

Filtration Options	
Description	
CBRNCF50e/i Filter	
CTCF50/e Filter	

Accessories	
Description	
Auto Filter Covers Module	



Article 10 to PPE Directive 89/686/EEC

* CS-PAPR certified when attached to ST53

SCBA with PAPR SCBA Harness as shown on front cover.



Meets NIOSH CBRN PAPR Statement of Standard and Title 42 CFR 84 TC-14G-0348 with FM54

TC-14G-0349 with FM53

* as MP-PAPR with Combination Hose, no SCBA attachment

NIOSH conforming variant includes approved PAPR Back Harness

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