AVON

CS-PAPR™

COMBINATION SYSTEM POWERED
AIR PURIFYING RESPIRATOR

POWERED AIR PURIFYING RESPIRATOR

AVONAIR
INTEGRATION SYSTEM

AVON
PROTECTION

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AIR PURIFYING RESPIRATOR

The Avon CS-PAPR is the newest generation of CBRN Powered Air Purifying Respirator (PAPR) designed for use in 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 onc 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

- Quick mask connection allows for mask and helmet donning prior to system hose connection
- 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
- Quick connect interface delivers 'Dry-Decon' filter option to meet most military decontamination protocols
- Short duration escape cylinders integrate with CS-PAPR through common pneumatic quick connect for lighter weight CUR configurations

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 quick connect 40mm (STANAG) APR connection, one size fits all	
Intrinsically Safe	No	

	CS-PAPR Kit	
	CSK-C-01-21-31-501*	CSP-C-02-22-31-401*
Avon EZAir Blower	■	■
Flexible PAPR Module	■	■
Combination Hose Module	■	■
Combination Hose Cover	■	■
PAPR SCBA Harness	■	■
Flow meter	■	■
Auto Filter Covers Module		■
2800 Replaceable Battery		■

* Many configurations available.
Please contact Customer Service for further options.

Power Options	
Part Number	Description
600213	2800 Replaceable Battery
600214	5200 Li-Ion Rechargeable Battery
600201	Battery Charger

Filtration Options		
Part Number	Description	
600790	CBRNCF50e Filter	
600796	CTCF50e Filter	

Accessories	
Part Number	Description
200086	Auto Filter Covers Module

CE

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.*

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