

CS-PAPR™ SD

COMPACT COMBINATION SYSTEM

Avon Protection's CS-PAPR SD gives the wearer the flexibility to dynamically adjust their level of respiratory protection. Designed for use with a Combination Respirator Unit (CRU), this CBRN capable Powered Air Purifying Respirator (PAPR) allows for extended duration on target with the option to transition to short-duration breathing apparatus (SDBA) when operating in high-contaminant or oxygen-deficient environments.

The combination hose on the CS-PAPR SD allows the user to seamlessly switch between APR, PAPR, and SDBA modes, adapting instantly without changing equipment. A single hose connection across all modes keeps one side of the mask clear, supporting unobstructed weapon sighting and improved situational awareness.

The low-profile, lightweight design integrates efficiently with SCBA systems, reducing bulk and wearer burden compared to traditional solutions while enabling operators to remain on scene longer as threats reduce.

INTEGRATION

Built around a modular methodology, CS-PAPR SD can be easily added to existing fielded systems, including Avon FM53/FM54 APR, PAPR, and SCBA configurations, maximizing operational flexibility while protecting prior equipment investment.

CS-PAPR SD SYSTEM OPTIONS

Nomenclature	Part Number
CS-PAPR SD 2L Fixed Gauge System	608813
CS-PAPR SD 3L Fixed Gauge System	608814
CS-PAPR SD 2L Remote Gauge System	609001
CS-PAPR SD 3L Remote Gauge System	609002
CS-PAPR SD Carrier	608993



CS-PAPR SD BASE KIT COMPONENTS

Nomenclature	Part Number
CS-PAPR SD Carrier	608993
Avon EZAir Blower	600210
Flexible PAPR Module	200000
Combination Hose Assembly	605339
Combination Hose Cover	600172
Flow Meter	600271
5200 Li-Ion Rechargeable Battery	605766
CBRNCF50e Filter	600789
2L or 3L 300 Bar Cylinders (various options)	-
FM53 Respirator	-
FM54 Respirator	-

Continued overleaf...

TECHNICAL DATA	
Approximate unit size with 3L cylinder installed	L: 470mm x H: 279mm x W: 152mm (L: 18.5in x H: 11in x W: 6in)
Typical unit weight with 2L cylinder, 5200 battery, 2 filters, no respirator	6.44kg (14.2lbs)
Typical unit weight with 3L cylinder, 5200 Battery, 2 filters, no respirator	6.94kg (15.3lbs)
FM53 respirator weight	<0.6kg (1.3lbs)
CBRNCF50E weight	365g (0.8lbs)
CTCF50E weight	154g (0.3lbs)
Flow rate (PAPR)	120lpm controlled flow
Operational noise @120lpm	<60 dBa
Run time	8+ hours (5200 battery)
Operational temperature	-15°C to 45°C (5°F to 113°F)
Breathing rate (SCBA)	125lpm with respirator pressure above ambient
Breathing resistance (SCBA)	Exhalation breathing resistance of no greater than 20mm of water at 85 lpm in a negative pressure mode
Inhalation resistance (SCBA)	50mm of water at 85 lpm
Operation	Wearer can select from APR, PAPR and SCBA modes by pushing in and rotating selector
Interface with APR	Crush proof hose with close fit 40mm APR connection

INTEGRATED PROTECTION SYSTEM™

Avon Protection's Integrated Protection System™ unifies head-to-toe PPE into a single, engineered solution. Every element is purpose-designed to integrate seamlessly, delivering elevated protection, enhanced performance, and operational efficiency.

AVONPLUS⁺ PROTECTION BEYOND THE PRODUCT

AVONPLUS is Avon Protection's suite of aftermarket product training and service programs to ensure you remain protected, confident, and compliant.

For further information please visit: avon-protection.com/avonplus