

STPAPR



The STPAPR is available as an optional extra with the ST53 and ST53SD. This truly modular system takes just a few moments to attach using quick connect air line couplings and straps to locate the unit alongside the air cylinder. The STPAPR provides the additional levels of serviceability and comfort associated with powered air whilst still retaining the ability to switch instantly to the positive pressure SCBA mode when required. The STPAPR helps ensure mission success by extending operational endurance of the user and facilitates heavier work performance, even in humid, heated and highly stressful environments.



FEATURES AND BENEFITS

- Designed to convert SCBA equipment into a Combination Respirator Unit (CRU) (Not NIOSH approved in this configuration)
- Includes a remote on/off switch located near the mask hose connection to the facemask, enabling the user to easily reach the switch.
- The integrated CDV enables the user to switch instantly from powered air to positive pressure SCBA mode when required (not NIOSH approved in this configuration).
- Provides a high flow rate up to 130 Liters/Min.
- Lithium Sulfur Dioxide battery option with a minimum 7 hour battery life.
- 40mm STANAG filter interface, accepts traditional and conformal filters.
- Adjustable carrier system with chest strap for back wear.
- Rip stock nylon hose cover to protect hose and power cable from switch.
- Side mount hose into the facemask can be installed on either the left or right side of the FM53 facemask for user preference
- Utilizes two AM/CL/SD/HE/CS/CN cartridges for maximum flow rates



TECHNICAL DATA

Maximum Flow Rate Positive Pressure Mode:	80LPM
Maximum Flow Rate Negative Pressure Mode:	115LPM
Power and run time:	LiSO2 Battery – 8 hours
Working Temperature:	-30°C to + 60°C
Decontamination:	Dispose of filters by following user's manual procedures
Expected working life of Blower:	10 years
Dimensions:	10 5/8 x 6 ¼ x 4 1/4
Weight (STPAPR w/Harness & Filters):	3.62 kg
Operational Noise:	Sound level tested per EN 12942, CL 6.12 and test per CL 7.16 Blower Noise 60/65 dBA
Connections:	Mask - 40mm STANAG Hose – Rectus Series 25 Male Plug
Hose Length:	28"
Mounting Options:	Backpack Carrier Cylinder Straps for ST53 SCBA (Non-NIOSH) Combo Carrier for ST 53 SD (Non-NIOSH)
Filters approved with:	GPCF50
Materials Used:	Noryl

CERTIFICATION NUMBER

STPAPR Powered Air Purifying Respirator (PAPR) is NIOSH certified with industrial protection under 42 CFR 84 with the model FM53 full facepiece and the combination cartridge, part number 033018, for protections against chlorobenzylidene malononitrile, chloroacetophenone, ammonia, chlorine, sulfur dioxide and particulates at a high efficiency level (CS/CN/ AM/CL/SD/HE).

NOTE: The ST53 system utilizes the NIOSH certified FM53 APR facemask as part of the ST53 system. The FM53 APR facemask can be configured to function as an SCBA, PAPR or CCBA. NIOSH does not certify or approve respirators for multi-function, combination use. The use of the FM53 APR facemask as a means for CBRN protection with an SCBA, PAPR or CCBA has not yet been approved by NIOSH.

NIOSH CERTIFICATION APPROVAL NUMBERS

TC 23C-2719

Certification Date: 09-13-11

Standards Applied: 42 CFR Part 84

Testing Agency: NIOSH

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