



Technical Datasheet

RPB® PX4 Air® PAPR

DESCRIPTION

The RPB PX4 Air is a battery powered air purifying respirator fan unit which draws in contaminated air from the users immediate vicinity, passing it through internal filters, and supplying the filtered air to an approved RPB loose fitting respirator head top.

The unit has built in audible, visual and physical safety alarms which alert when filters need to be replaced, or there is an obstruction of airflow.

This type of respirator is not appropriate for every environment or contaminant. For more information please contact RPB Safety.

Type description

Powered air purifying respirator.

Required components

- Respirator head-top
- Cape, face seal, or chin seal
- Breathing tube
- PX4 Air PAPR

Application ranges (including but not limited to the following)

Including but not limited to welding, grinding, concrete cutting, general dust, wood working, painting* (with appropriate filters).

*Excludes paints where Isocyanate's are present.

Compatible with the following headtops

NIOSH markets	T-Link®, T100™, Z-Link®, Z3™, Z4®
CE & AS/NZS markets	Nova 3®, T-Link®, Z-Link®, Z4®

Package numbers	Part #
PX4 Air with standard belt	03-901
PX4 Air with FR belt	03-901-FR

Additional configurations are available.

Filters	Part #
HE (P3) Filter	03-985
A2P3 Combination Filter (CE & AS/NZS only)	03-995



RPB PX4 Air PAPR

APPROVALS & STANDARDS

ISO9001
CERTIFIED COMPANY

National Institute for Occupational Safety and Health
NIOSH
Only in conjunction with approved respirator.

CE 2797
EN12941:1998
+A2:2008 TH3 P R SL
RESPIRATORY PROTECTION

BSI Certified Product
AS/NZS 1716:2012
BMP# 714303
RESPIRATORY PROTECTION

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SPECIFICATIONS

Airflow

Speed 1: Greater than 6cfm (170slpm), (nominal 180slpm)

Speed 2: Greater than 7.4cfm (210slpm)

Speed 3: Greater than 8.4cfm (240slpm)

Operating noise

Speed 1: 57dBA at 12" (305mm) from the unit

Speed 2: 59dBA at 12" (305mm) from the unit

Speed 3: 62dBA at 12" (305mm) from the unit

Alarm volume

85dBA at 4" (104mm).

Battery run times*

Speed	HE (P3)	A2P3 (CE & AS/NZS only)
1	10-13 hours	Greater than 4 hours
2	7-10 hours	Not recommended
3	6-8 hours	Not recommended

*Run times can vary dependent on age of filter and type of filter cartridge used.

Battery charging time

3 hours

Power supply

Battery: Rechargeable Lithium Ion battery.

Charging: 110-240v 50-60Hz AC. Power cords available include US, UK, EU, AU/NZ.

Weight

PX4 Air with standard belt 2.5lbs / 1.13kg

Dimensions

7.2 x 8.5 x 3in / 182 x 214 x 77mm (height x width x depth)*

*PAPR unit without belt.

Materials

ABS/Nylon	Injection molded parts
Polypropylene	Standard belt
Nylon	Standard belt buckle
MDPE	Belt supports
Nomex	FR belt
Acetyl	FR belt buckle
Santoprene	Grommet, battery seal
ABS	Filter housing

Filters

HE/P3	99.99% efficiency down to 0.12 microns particles
A2P3	99.99% efficiency down to 0.12 microns particles P3 protection and A2 level organic vapor protection
Filter housing	ABS, closed cell foam seal

Operating temperature

14°F to 131°F (-10°C to 55°C)

If unit is operated outside of this temperature range for 10 minutes battery alarm will activate.

Storage temperature

Recommended storage temperature is 14°F to 113°F (-10°C to 45°C) <90%RH in order to maximize the life of the battery.

Product storage life (In original sealed packaging)

Motor/fan unit	5 years
Battery pack	1 year
Filters	5 years

Warranty

1 year. Conditions apply, visit rpb.com/legal for full details.

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ACCESSORIES & CONSUMABLES

Consumables	Part #
Pre-filter (10 Pack) for HE/P3 filter	03-981
Spark Arrestor for HE/P3 filter	03-982
HE/P3 filter	03-985
Pre-filter (10 Pack) for A2P3 filter	03-991
Spark Arrestor for A2P3 filter	03-992
A2P3 filter	03-995

Accessories	Part #
A2P3 filter upgrade cover	03-929
Additional Li-Po battery	03-955
Battery charger	03-951
Standard belt	07-765
FR belt	07-765-FR
Flow meter	04-091
Breathing tube (for all respirators except Z3™)	04-837
Breathing tube for Z3™	04-839

MAINTENANCE

Cleaning after use

Clean and disinfect with a damp cloth and mild detergent or disinfecting wipes on the external surfaces and the face of the fan motor housing. Dry with a cloth or paper towel. Do not submerge or place under running water.

Filters

Do not wash or clean filters in any way. If they are dirty or contaminated, dispose of them according to your company disposal policy and replace with new filters.

Storage

Store in a cool, dry place outside of the work area, with the battery not attached, away from direct heat sources, between 14° F and 114° F (-10° C and +45° C), at a relative humidity of less than 90%.



Employers

Read the PX4 Air PAPR and the respirator headtop instruction manuals and carry out the employer responsibilities.

Provide the manuals to all users.

Product users

Read the PX4 Air PAPR and the respirator headtop instruction manuals and follow the product user safety instructions.

Manuals are regularly updated.

Current version of manual and for other languages:

rpbsafety.com/resources

Contact

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