



# Technical Data Sheet

## RPB® PX5® PAPR

### DESCRIPTION

The RPB® PX5® 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 the user 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
- PX5® PAPR

#### Application Ranges

Including but not limited to welding, grinding, concrete cutting, general dust, wood working, painting\* (with appropriate filter), pharmaceutical and medical.

\*Excludes paints where Isocyanate's are present.

#### Compatible with

##### NIOSH Markets

Nova 3®, T-Link®, Z-Link®, Z3™, Z4®

##### CE & AS/NZS Markets

T-Link®, Z-Link®, Z4®

#### Package Numbers

#### Part #

PX5® with Standard belt

03-801

PX5® with FR belt

03-801-FR

(Additional configurations are available)



### APPROVALS & STANDARDS

ISO9001  
CERTIFIED COMPANY

CE 2797

National Institute for  
Occupational Safety and Health  
**NIOSH**

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



BSI Certified Product

AS/NZS 1716:2012  
BMP# 714303

RESPIRATORY PROTECTION

### SPECIFICATIONS

#### Air Flow

Speed 1: Greater than 6cfm (170slpm)

Speed 2: Greater than 7.4cfm (210slpm)

Speed 3: Greater than 8.4cfm (230slpm)

#### 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 Charging

5 hours

300+ charge cycles with battery life greater than 80% of original

#### Power supply

**Battery:** Rechargeable lithium-ion battery.

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

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### Battery Run Times\*

HE (P):

Speed 1: 12+ hours

Speed 2: 9+ hours

Speed 3: 8+ hours

\*Run times can vary dependent on age of filter

### Materials

PC/ABS	Injection molded parts
Polypropylene	Standard Belt
Nylon	Standard Belt Buckle
PC/ABS/TPU	Belt Mount
Nomex	FR Belt
Acetyl	FR Belt Buckle
EPDM	Battery seal
Polycarbonate	Flow meter
Stainless Steel	Spark Arrestor
ABS	Filter housing
Closed cell foam	Filter seal

### Weight

PX5® with std. belt	2.55lbs / 1.15kg
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### Filters

USA, Canada, Mexico

Particulate Filter

Color Code - Magenta

HE - 99.9999% efficiency down to 0.12 microns.

Europe, UK, Australasia

Particulate Filter

Colour Code - White

P - 99.9999% efficiency down to 0.12 microns.

### Product Storage Life (from new if kept in original sealed packaging)

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

### Dimensions

9.1in (231mm) Height

6.9in (174mm) Width

2.6in (65mm) Depth\*

\*Just PAPR unit without belt.

### Operating Temperature

-4°F to 122°F (-20°C to 50°C)

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

### Water and Dust Ingress Protection rating

Certified to IP65 rating in use and certified to IP67 rating with cleaning kit in place.

### Warranty

1 year. Conditions apply, visit [rpbsafety.com/legal](http://rpbsafety.com/legal) for full details.

## ACCESSORIES & CONSUMABLES

Consumables	Part #
Pre-filter (10 Pack) for all filters	03-890
Spark Arrestor for all filters	03-891
HE (P) Filter	03-892

Accessories	Part #
Additional Battery	03-855
Battery Charger	03-851
Belt	07-765
FR Belt	07-765-FR
Flow Meter	03-819
Breathing Tube (For all respirators except Z3™)	04-831
Breathing Tube for Z3™	04-832

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## RPB® PX5® PAPR

### 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%. Store the battery between -4°F to 104°F (-20°C to 40°C) for maximum battery life.



#### Employers

Read the PX5® PAPR and the respirator head-top instruction manuals and carry out the employer responsibilities.

Provide the manuals to all users.

#### Product users

Read the PX5® PAPR and the respirator head-top instruction manuals and follow the product user safety instructions.

Manuals are regularly updated.

#### Current version of manual and for other languages:

[rpbsafety.com/air-monitoring-filtration-supply/px5](http://rpbsafety.com/air-monitoring-filtration-supply/px5)

#### Contact

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