



# Technical Data Sheet

## RPB® PX5® PAPR

### DESCRIPTION

The RPB® PX5® is a battery powered air purifying respirator which draws in 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, there is an obstruction of airflow, or the battery level is low.

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 headtop
- 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®, T200™, T-Link®, Z-Link®, Z3™, Z4®

##### CE & AS/NZS Markets

T200™, T-Link®, Z-Link®, Z4®

#### Package Numbers

#### Part #

PX5 with Easy Clean belt	03-801
PX5 with FR belt	03-801-FR
PX5 with Easy Clean backpack assembly	03-802
PX5 with FR backpack assembly	03-802-FR

Additional configurations are available.

#### Weight

PX5 with HE filter and std. belt	2.55lbs / 1.16kg
PX5 with Gas cartridge/filter and std. belt (depending on cartridge/filter type)	3.65-3.75lbs / 1.65-1.7kg



### APPROVALS & STANDARDS

ISO9001  
CERTIFIED COMPANY

NIOSH  
National Institute for  
Occupational Safety and Health

CE 2797  
UK  
CA 0086

EN12941:1998  
+A2:2008 TH3/2 P R SL  
RESPIRATORY PROTECTION  
See instruction manual for protection levels.

PRODUCT CERTIFICATION



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 (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 Charging

03-855 Standard battery:

<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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### SPECIFICATIONS (CONTINUED)

#### Minimum Battery Run Times

	HE (P):	OV/AG/HE (A2P):	Multi-Gas/HE (ABE1P/ABEK1P):
Speed 1:	10+ hrs	7+ hrs	5+ hours
Speed 2:	7+ hrs	6+ hrs	4+ hours
Speed 3:	6+ hrs	5+ hrs	4+ hours

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

#### Dimensions

9.1in (231mm) Height  
 6.9in (174mm) Width  
 3.5in (88mm) Depth

Belt not included. PAPR unit with HE filter & door only.

#### 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.

#### Materials

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

The PX5 is latex free.

### ACCESSORIES & CONSUMABLES

#### Consumables

	Part #
Pre-filter (10 Pack) for all filters	03-890
Spark Arrestor for all filters	03-891

#### NIOSH

**HE Filter - Particulate** 03-892

Color Code - Magenta  
 99.97% efficiency down to 0.12 microns

**OV/AG/HE Cartridge** 03-893

Color Code - Yellow/Magenta  
 Approved for: organic vapors and gases, such as solvents, and acidic vapors and gases, including the following gases and vapors:

- CD - Chlorine Dioxide
- CL - Chlorine
- HC - Hydrogen Chloride
- HF - Hydrogen Fluoride
- OV - Organic Vapors
- SD - Sulfur Dioxide
- HE - HEPA particulate protection of 99.97% efficiency down to 0.12 microns

**Multi-Gas Cartridge** 03-894

Color Code - Olive/Magenta  
 Approved for: organic vapors and gases, such as solvents, and acidic vapors and gases, including the following gases and vapors:

- AM - Ammonia
- CD - Chlorine Dioxide
- CL - Chlorine
- FM - Formaldehyde
- HC - Hydrogen Chloride
- HF - Hydrogen Fluoride
- HS - Hydrogen Sulfide
- MA - Methylamine
- OV - Organic Vapors
- SD - Sulfur Dioxide
- HE - HEPA particulate protection of 99.97% efficiency down to 0.12 microns

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### ACCESSORIES & CONSUMABLES (CONTINUED)

CE/AS/NZS	Part #	Accessories	Part #
<b>HE (P) Filter - Particulate</b> Colour Code - White HEPA particulate protection of 99.97% efficiency down to 0.12 microns	<b>03-892-P</b>	<b>Additional Battery</b>	<b>03-855</b>
<b>OV/HE (A2P) Combination Filter</b> Colour Code - White/Brown Approved for: Protection from gases & vapours of organic compounds with a boiling point over 65 deg C to A2 level, as well as HEPA particulate protection of 99.97% efficiency down to 0.12 microns	<b>03-893-A2</b>	<b>Battery Charger</b>	<b>03-851</b>
<b>Multi-Gas (ABE1P) Combination Filter</b> Colour Code - White/Brown/Grey/Yellow Approved for: Protection from gases & vapours of organic compounds with a boiling point over 65 deg C, inorganic gases & vapors, acid gas, as well as HEPA particulate protection of 99.97% efficiency down to 0.12 microns	<b>03-894-ABE</b>	<b>Belt</b>	<b>07-765</b>
<b>Multi-Gas (ABEK1P) Combination Filter</b> Colour Code - White/Brown/Grey/Yellow/Green Approved for: Protection from gases & vapours of organic compounds with a boiling point over 65 deg C, inorganic gases & vapors, acid gas, and ammonia, as well as HEPA particulate protection of 99.97% efficiency down to 0.12 microns.	<b>03-895-ABEK</b>	<b>FR Belt</b>	<b>07-765-FR</b>
		<b>Easy Clean Belt</b>	<b>07-765-DC</b>
		<b>FR Backpack Assembly</b>	<b>03-822-FR</b>
		<b>Easy Clean Backpack Assembly</b>	<b>03-822-DC</b>
		<b>Flow Meter</b>	<b>03-819</b>
		<b>PAPR Breathing Tube (for Z-Link, Z4, Nova 3 and T-Link)</b>	<b>04-831</b>
		<b>PAPR Breathing Tube (for Z3)</b>	<b>04-832</b>
		<b>Short Breathing Tube for Backpack Assembly (for Z-Link, Z4, Nova 3 and T-Link)</b>	<b>04-841</b>

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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 without cleaning kit in place. See the RPB Disinfecting and Cleaning Document for more details.

#### Filters/Cartridges:

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

#### 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. See the battery instruction sheet for more specific battery storage recommendations.

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

Motor/fan unit	5 years
Battery pack	6 months
Filters	5 years

#### Warranty

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



#### Employers

Read the PX5® PAPR and the respirator headtop instruction manuals and carry out the employer responsibilities.

Provide the manuals to all users.

#### Product users

Read the PX5® 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](https://rpbsafety.com/resources)

#### Contact

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[www.rpbsafety.com](https://www.rpbsafety.com)