

# PX5<sup>®</sup> powered air purifying respirator



TECHNICAL DATA SHEET

GVS-RPB.COM

## Approvals & Standards

**ISO9001**  
CERTIFIED COMPANY

**NIOSH**  
APPROVED

**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

The RPB<sup>®</sup> PX5<sup>®</sup> 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 GVS-RPB.

### 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<sup>®</sup>, T200<sup>™</sup>, T-Link<sup>®</sup>, Z-Link<sup>®</sup>, Z3<sup>™</sup>, Z4<sup>®</sup>

#### CE & AS/NZS Markets

T200<sup>™</sup>, T-Link<sup>®</sup>, Z-Link<sup>®</sup>, Z4<sup>®</sup>

### 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)

## Specifications

### Air Flow

- Speed 1: Greater than 6cfm (170slpm)
- Speed 2: Greater than 7.4cfm (210slpm)
- Speed 3: Greater than 8.1cfm (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

#### 03-855 Standard battery:

- <5 hours
- 300+ charge cycles with battery life greater than 80% of original

#### 03-856 High capacity battery:

- <5 hours
- 500+ 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 - Standard Battery

	HE (P) (HEPA):	OV/AG/HE (A2P):	Multi-Gas/HE (ABE1P):	ABEK1P:
<b>Speed 1:</b>	11+ hours	8+ hours	6.5+ hours	6+ hours
<b>Speed 2:</b>	6.5+ hours	6+ hours	5.5+ hours	5.5+ hours
<b>Speed 3:</b>	6+ hours	6+ hours	5+ hours	5+ hours

### Minimum Battery Run Times - High Capacity Battery

	HE (P) (HEPA):	OV/AG/HE (A2P):	Multi-Gas/HE (ABE1P):	ABEK1P:
<b>Speed 1:</b>	13+ hours	10+ hours	8+ hours	7+ hours
<b>Speed 2:</b>	8+ hours	7.5+ hours	7+ hours	6.5+ hours
<b>Speed 3:</b>	7+ hours	7+ hours	7+ hours	6+ hours

Run times calculated in a test lab environment. Run times can vary dependent on battery type used, age and type of filter cartridge used, and environment.

## 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.

## Transportation

Assemblies with batteries ship following UN3481 requirements. Batteries shipped separately must follow UN3480 requirements.

## 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 - HEPA 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

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## Accessories & Consumables (Continued)

### 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

### CE/AS/NZS Part #

#### HE (P) Filter - Particulate 03-892-P

Colour Code - White

HEPA particulate protection of 99.97% efficiency down to 0.12 microns

#### OV/HE (A2P) Combination Filter 03-893-A2

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

#### Multi-Gas (ABE1P) Combination Filter 03-894-ABE

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

#### Multi-Gas (ABEK1P) Combination Filter 03-895-ABEK

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.

### Accessories Part #

Additional Battery 03-855

High Capacity Battery 03-856

Battery Charger 03-851

5 Battery Multi-Charger 03-852

Belt 07-765

FR Belt 07-765-FR

Easy Clean Belt 07-765-DC

FR Backpack Assembly 03-822-FR

Easy Clean Backpack Assembly 03-822-DC

Flow Meter 03-819

PAPR Breathing Tube (for Z-Link, Z4, Nova 3 and T-Link) 04-831

PAPR Breathing Tube (for Z3) 04-832

Short Breathing Tube for Backpack Assembly (for Z-Link, Z4, Nova 3 and T-Link) 04-841

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## 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.

### Warranty

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

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

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



### 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:

[gvs-rpb.com/resources](https://gvs-rpb.com/resources)

### Contact

RPB<sup>®</sup> Safety - Global Headquarters  
2807 Samoset Rd, Royal Oak, MI 48073, USA  
T: 1-866-494-4599  
E-mail: [sales@gvs.com](mailto:sales@gvs.com)

[gvs-rpb.com](https://gvs-rpb.com)