PX5® powered air purifying respirator

Protecting you for life's best moments®

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® 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 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®, 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)

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.

U.S. Pat. No. D954,252 and D968,588.

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Specifications (Continued)

Minimum Battery Run Times - Standard Battery

	HE (P) (HEPA):	OV/AG/HE (A2P):	Multi-Gas/HE (ABE1P)	ABEK1P:
Speed 1:	11+ hours	8+ hours	6.5+ hours	6+ hours
Speed 2:	6.5+ hours	6+ hours	5.5+ hours	5.5+ hours
Speed 3:	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:
Speed 1:	13+ hours	10+ hours	8+ hours	7+ hours
Speed 2:	8+ hours	7.5+ hours	7+ hours	6.5+ hours
Speed 3:	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

 U.S. Pat. No. D954,252 and D968,588.

Accessories & Consumables (Continued)

Multi-Gas Cartridge 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	03-894

CE/AS/NZS	Part #
HE (P) Filter - Particulate Colour Code - White HEPA particulate protection of 99.97% efficiency down to 0.12 microns	03-892-P
OV/HE (A2P) Combination Filter 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	03-893-A2
Multi-Gas (ABE1P) Combination Filter 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	03-894-ABE
Multi-Gas (ABEK1P) Combination Filter 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.	03-895-ABEK

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

 U.S. Pat. No. D954,252 and D968,588.

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 submerse 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 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

Contact
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 U.S. Pat. No. D954,252 and D968,588.