

HX5™ powered air purifying respirator



Protecting you for life's best moments.

TECHNICAL DATA SHEET

GVS-RPB.COM

Approvals & Standards

ISO9001
CERTIFIED COMPANY

NIOSH
APPROVED
TYPE C PAPR

The RPB HX5 is a simplified, single speed, 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 headtop.

The unit has built in audible and visual safety alarms which alert the user when filters need to be replaced, there is an obstruction of airflow, or the battery 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
- HX5 PAPR

Application Ranges

Including but not limited to industrial applications such as welding, grinding, concrete cutting, general dust, and wood working, healthcare such as patient care, laboratory environments, and pharmaceutical manufacturing.

Compatible with

NIOSH Markets T200™, T-Link®, Z-Link®, Z4®

Package Numbers

Part

HX5 with Easy Clean belt	03-601
HX5 with FR belt	03-601-FR
HX5 with Easy Clean backpack assembly	03-602
HX5 with FR backpack assembly	03-602-FR

Additional configurations are available

Weight

HX5 with HE filter and std. belt	2.55lbs / 1.16kg
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Specifications

Air Flow

Greater than 7.4cfm (210slpm)

Operating Noise

59dBA 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.

Transportation

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

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Specifications (Continued)

Minimum Battery Run Times - Standard Battery

HE (P) (HEPA): 6.5+ hours

Minimum Battery Run Times - High Capacity Battery

HE (P) (HEPA): 8+ hours

Run times calculated in a test lab environment. Run times can vary dependent on battery type used, age 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 IP53 rating in use.

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 HX5 is latex free.

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

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

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

Gas filters are not approved for use with the HX5.

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
Breathing Tube	04-831
Short Breathing Tube for Backpack Assembly	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. See the RPB Disinfecting and Cleaning Document for more details.

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 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.



Employers

Read the HX5 PAPR and the respirator headtop instruction manuals and carry out the employer responsibilities.

Provide the manuals to all users.

Product users

Read the HX5 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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