



Technical Data Sheet

RPB® HX5™ PAPR

DESCRIPTION

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

| 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 |
|----------------------------------|------------------|



APPROVALS & STANDARDS

ISO9001
CERTIFIED COMPANY



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.



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SPECIFICATIONS (CONTINUED)

Minimum Battery Run Time

7+ hrs

Run times can vary dependent on battery type used and the age of the filter 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 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 - 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 |
| 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.



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.

Call (877) 561-0500

Buy Online at www.DuralineSystems.com



A Certified RPB Biotechnician Company

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