

FlexAirTM PAPR System

NIOSH APPROVALS:

TC-23C-TBD / TC-21C-TBD

PROTECT WORKERS FROM THE LONG TERM EFFECTS OF RESPIRATORY CONTAMINANTS

The SafetyTech FlexAirTM PAPR System is a compact, lightweight Powered Air Purifying Respirator (PAPR) System with a Lifetime Lithium Battery inside the waist mounted blower.

The flexible design permits the use of 2 HE (High Efficiency) particulate or 3 combination cartridges for protection against organic vapors and acid gases (OV/AG/HE).

Workers are protected by having contaminated air purified by filter media mounted on the PAPR blower unit and delivered via a lightweight breathing hose to the users head cover.

SafetyTech offers a complete line of NIOSH approved and OSHA Compliant Respiratory Protection Solutions. Call us today for expert consultation for a solution to your specific needs.

BENEFITS:

- *No Fit Testing Required.*
- Reduces risk of respiratory illness.
- Accommodates facial hair and prescription lenses.
- Increased production and longer work times in harsh and uncomfortable environments.
- Up to 8 hours of continuous work time on a single charge.
- Can be used in a 2-Filter HE for Biological or Particulate Protection or 3-Filter Configuration for protection against organic vapors and acid gases (OV/AG/HE).
- Utilizes universal 40 mm filter port threads for easy disposal and wide availability of filter media.
- Independent low flow and low battery alarms permit safe and timely exit from contaminated areas.
- One-Size-Fits-All head cover design reduces costs and inventory.



FEATURES:

The **FlexAir™** PAPR System features the latest innovations in PAPR design

- Microprocessor Controlled.
- Compact rapid battery Charger is a Universal Li Ion charger that can be ganged on a simple power strip.
- Lifetime Rechargeable Lithium Ion Battery - charged on unit .
- Lightweight & compact PAPR Blower can be worn on waist or with a shoulder harness.
- Exceeds NIOSH airflow requirements: High air flow - from 150 to 240 lpm (liters per minute).
- Suitable for tight or loose fitting head covers.
- Independent **low flow** and **low battery** alarms.

APPLICATIONS:

- Pharmaceutical
- Infectious Disease
- Forensics/Pathology/Autopsy
- Waste Clean up
- Mold Remediation
- Asbestos Abatement
- Chemical & Industrial Manufacturing
- Welding
- Health Care
- Agriculture



ORDERING INFORMATION:

- Order FlexAirTM kit by color and enter kit number.
 (Kit includes PAPR Blower w/ on board battery, AFI and battery charger PN not required.)
- Choose from all other components to complete system and enter each part number chosen.

| FlexAir System Part Number | Description |
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| N-60179-001 | FlexAir TM PAPR Kit - Black |
| N-60180-001 | FlexAir TM PAPR Kit - White |
| N-60181-001 | FlexAir TM PAPR Kit - Green |
| Above Kits also Include | |
| S-30112-001 | Airflow Indicator (AFI) 4-6 CFM |
| S-20106-001 | Li-Ion Battery Charger w/ Barrel Plug |
| PAPR Blower with on-board Li-ion battery | |
| Choose Storage Option | |
| S-10079-001 | Molded Carrying Case 19" x 14" x 7 1/8" |
| S-45126-001 | SafetyTech Canvas Storage w 3 zippered pockets |
| Choose Filter Configuration | |
| 10072237 (3-required per system) | SafetyTech GME Multi Gas / HE Cartridge (HE/AM/CD/CL/FM/HC/HS/MA/OV/SD) |
| S-70013-001 (2-Required per system) | HE2 Filter |
| Choose Head Cover Style/Size | |
| S-40078-W01 | Loose Fitting Visor -drawstring one-size fits-all |
| S-40061-001 | Loose-Fitting Hood w/Cape (Regular, White) |
| S-40062-001 | Loose-Fitting Hood w/Cape (Large, White) |
| Choose Breathing Hose | |
| S-30111-001 | Breathing Tube Assembly, Black |
| S-30128-001 | Breathing Tube Assembly, White |
| Choose Waist Belt | |
| S-30019-001 | Web Waist Belt 60" L x 2" W |
| S-30021-001 | Decon Waist Belt 70" L x 2" W |

TECHNICAL SPECIFICATIONS:

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| Flow Rate | Greater than 170 LPM |
| Lithium Ion On-board/ Duration | 7-8 hrs |
| Expected Life of Li Ion Battery | 500 to 700 Charges |
| Filter or Cartridge Options (3 Filter Option) | GME Multi-Gas HE Cartridge (HE/AM/CD/CL/FM/HC/HS/MA/OV/SD) |
| 2 Filter HE Option | HE2 Filter (Particulates, Aerosols, Bio-Hazards) |
| Operating Temperature | -20 °C to +49 °C (-4 °F to +120 °F) |
| Decontamination | Unit is Decontaminable |
| Overall Dimensions (FlexAir PAPR Blower) | (w/o cartridges) Width: 94 mm (3.70") Height: 134 mm (5.27") Length: 106 mm (4.15") |
| Weight of FlexAir Blower w/ Battery | 596 gr (1.32 lb) Blower w/battery 786 gr (1.74 lb) w/2 HE2 Filters and 1 Plug 1832 gr (4.04 lb) w/3 GME cartridges |