



# EVA Powered Air-Purifying Respirator Technical Specifications

**NIOSH Approvals:** TC-21C-0836 (PAPRFC3/Loose Fitting Headtops)  
TC-23C-2510 (PAPRFC4/Loose Fitting Headtops)  
TC-23C-2886 (PAPRFC5/Loose Fitting Headtops)  
TC-21C-0844 (PAPRFC3/Spectrum Series®)  
TC-23C-2512 (PAPRFC4/Spectrum Series®)  
TC-21C-1328 (PAPRFC3/Sightline Series)  
TC-23C-3989 (PAPRFC4/Sightline Series)  
TC-23C-3990 (PAPRFC5/Sightline Series)

**Assigned Protection Factor:** 1,000 (with CC20, Sightline, RT and GR50 Series double bib hoods)  
1,000 with Spectrum Series® Full-Face Mask  
25 with Loose-Fitting Facepiece

**Battery Specifications** Rechargeable Lithium Polymer technology  
Fuel gauge to visually indicate remaining capacity  
4-10 hours of run time on a single battery

**Blower Specifications:** Maximum of one filter or cartridge required  
"On-board" battery compartment (no external battery cables to connect)  
Filter locking tab for visual confirmation of correct installation  
Active Flow Technology (Mass Flow Sensor Feedback Loop)  
User-selectable two-speed operation (7 CFM regular speed, 8.5 CFM high speed for Loose Fitting Headtops; 4.5 CFM regular speed, 5.0 CFM high speed for Spectrum Series Full Face Mask)  
Multiple sizes available for breathing tubes

**Belt Specifications** Two belt options available:  
Closed cell foam belt  
Chemically resistant polyurethane/urethane belt  
Adjustable for waist sizes between 28-inches and 60-inches (71 cm and 152 cm)  
Belt extenders available  
6.5-inches tall in lumbar region

**Charger Specifications** One-port smart charger with trickle charge mode and optional diagnostics  
Six-port smart gang charger with trickle charge mode

**Airflow:** Loose Fitting Headtops (low/high speeds):  
7.0 CFM/ 198 LPM  
8.5 CFM/ 241 LPM  
Spectrum Series Full Face Mask (low/high speeds):  
4.5 CFM/ 128 LPM  
5.0 CFM/ 142 LPM

**Alarms:** Audible Low Battery and Low Flow  
Audible High Temperature at 122° F / 50° C

**Operating Temperature:** 23° F to 129° F  
-5° C to 54° C

**Storage Temperature:** 23° F to 131° F  
-5° C to 55° C

**Warranty:** 1-year limited warranty to original purchaser from date of purchase on the blower, battery, charger, and hood

## High Efficiency Particulate Filters

**Part Number:** PAPRFC3  
**Protections:** Particulates  
**Packaging:** 6 per box  
**Expiration/Shelf Life:** 10 years (unopened) with proper storage conditions





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## Combination Particulate and Chemical Cartridge

**Part Number:** PAPRFC4  
**Protections:** Organic Vapors, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Fluoride, and Particulates  
**Packaging:** 6 per box  
**Expiration/Shelf Life:** 5 years (unopened) with proper storage conditions

## Combination Particulate and Chemical Cartridge

**Part Number:** PAPRFC5  
**Protections:** Ammonia, Formaldehyde, Methylamine, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Fluoride, and Particulates  
**Packaging:** 6 per box  
**Expiration/Shelf Life:** 5 years (unopened) with proper storage conditions

## Sightline Series Hoods

**Fabric Material:** Dupont™ Tychem® 2000  
**Lens Material:** PETG  
**Packaging:** Dupont™ Tychem® 2000 (10 per box)  
**Expiration/Shelf Life:** 5 years (unopened) with proper storage conditions

## CC20 Series Hoods

**Fabric Material:** Dupont™ Tychem® 4000, Dupont™ Tychem® 2000  
**Lens Material:** Acetate, PETG  
**Headband/Suspension:** 4-point Ratchet (standard), 4-point Pinlock (optional), or Hard Hat  
**Packaging:** Dupont™ Tychem® 4000 (5 per box), Dupont™ Tychem® 2000 (10 per box)  
**ANSI Face Protection:** 20TICH/20SICH meets clauses 7.1.4.2 and 7.1.4.4 of ANSI/ISEA Z87.1 2020, impact requirements for face protection  
**Expiration/Shelf Life:** 5 years (unopened) with proper storage conditions

## 20LF Series Loose-Fitting Facepieces

**Fabric Material:** Dupont™ Tychem® 4000, Dupont™ Tychem® 2000  
**Lens Material:** PETG  
**Headband/Suspension:** 4-point Ratchet (standard), 4-point Pinlock (optional)  
**Packaging:** Dupont™ Tychem® 4000 (5 per box), Dupont™ Tychem® 2000 (10 per box)  
**Expiration/Shelf Life:** 5 years (unopened) with proper storage conditions

## RT Series Hoods

**Fabric Material:** Dupont™ Tychem® 4000, Dupont™ Tychem® 2000  
**Lens Material:** Acetate  
**Packaging:** Dupont™ Tychem® 4000 (5 per box), Dupont™ Tychem® 2000 (10 per box)  
**Expiration/Shelf Life:** 5 years (unopened) with proper storage conditions

## GR50 Series Hoods

**Fabric Material:** Dupont™ Nomex®, FR Cotton  
**Lens Material:** Polycarbonate  
**Headband/Suspension:** 4-point Ratchet (standard), 4-point Pinlock (optional), or Hard Hat  
**Packaging:** 1 per box  
**ANSI Head Protection** Meets ANSI/ISEA Z89.1 2014 head protection when worn with C30 or S51 Bullard hard hats

## Spectrum® Series Full-Face Masks

**Mask Material:** Silicone  
**Lens Material:** Polycarbonate  
**Sizes:** (3), Small, Medium, Large  
**Packaging:** 1 per box  
**ANSI Face Protection** Meets clauses 7.1.4.2 and 7.1.4.4 of ANSI/ISEA Z87.1 2020, impact requirements for face protection

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