



EVA Powered Air-Purifying Respirator Technical Specifications

**NIOSH Approvals:**

42 CFR Part 84
TC-21C-0836 (PAPRFC3/Hoods)
TC-23C-2510 (PAPRFC4/Hoods)
TC-23C-2886 (PAPRFC5/Hoods)
TC-21C-08444 (PAPRFC3/Spectrum Series®)
TC-23C-02512 (PAPRFC4/Spectrum Series®)
TC-21C-0846 (PAPRFC3/FAMB)
TC-23C-2511 (PAPRFC4/FAMB)
TC-21C-0940 (PAPRFC3/SparxLift)
TC-21C-0941 (PAPRFC3/SparxLift)

Assigned Protection Factor:

1,000 (with CC20, RT and GR50 Series double bib hoods)
1,000 with Spectrum Series® Full-Face Mask
50 with FAMB Series Half Mask
25 with Loose-Fitting Facepiece

Battery Technology:

Rechargeable Lithium Polymer, 4-16 hours run time
4 cells, 6300 mAh, 16.8V Peak, 14.8V nominal

Airflow:

200/240 lpm (low/high speeds) for hoods and 120/135 lpm for masks

Alarms:

Audible Low Battery and Low Flow
Audible High Temperature at 50° C

Warranty:

1 Year (Blower, Battery, Charger)

Operating Temperature:

23° F to 129° F
-5° C to 54° C

Storage Temperature:

23° F to 131° F
-5° C to 55° C

HE Filters**Part Number:**

PAPRFC3

Approvals:

High Efficiency Particulate

Packaging:

6 per box

Expiration/Shelf Life:

10 years (unopened) with proper storage conditions

OV/AG/HE Filters**Part Number:**

PAPRFC4

Approvals:

Organic Vapors, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Fluoride, and High Efficiency Particulates

Packaging:

6 per box

Expiration/Shelf Life:

5 years (unopened) with proper storage conditions

AM/FM/MA/AG/HE Filters**Part Number:**

PAPRFC5

Approvals:

Ammonia, Formaldehyde, Methylamine, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Fluoride, and High Efficiency Particulates

Packaging:

6 per box

Expiration/Shelf Life:

5 years (unopened) with proper storage conditions

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
77dBA low voltage alarm
77dBA low flow alarm
Active Flow Technology (Mass Flow Sensor Feedback Loop)
User-selectable two-speed operation (7 CFM regular speed, 8.5 CFM high speed for hoods; 4.25 CFM regular speed, 4.75 CFM high speed for masks)
Three lengths available for breathing tubes



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Belt Specifications

Chemically resistant closed cell or vinyl/urethane
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
Vinyl Belt Available

Charger Specifications

One-port "genius" charger with diagnostic capabilities
Six-port smart gang charger with trickle charge mode

CC20 Series Hoods

Fabric Material: Dupont™ Tychem® QC, Dupont™ Tychem® SL
Lens Material: Acetate, PETG
Headband/Suspension: 4-point Ratchet (standard), 4-point Pinlock (optional), or Hard Hat
Packaging: Tychem SL (5 per box), Tychem QC (10 per box)
ANSI Face Protection: 20TICH/20SICH provide limited face protection per ANSI/ISEA Z87.1 - 2010
ANSI Head Protection: 20TICH/20SICH provide ANSI/ISEA Z89.1 - 2009 head protection when worn with C30 or S51 Bullard Hard hats
Expiration/Shelf Life: 5 years (unopened) with proper storage conditions

20LF Series Loose-Fitting Facepieces

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

RT Series Hoods:

Fabric Material: Dupont™ Tychem® QC, Dupont™ Tychem® SL
Lens Material: Acetate
Packaging: Tychem SL (5 per box), Tychem QC (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 Face Protection: ANSI/ISEA Z87.1+ - 2010 impact face protection
ANSI Head Protection: ANSI/ISEA Z89.1 - 2009 head protection when worn with C30 or S51 Bullard Hard hats

FAMB Series Half Masks

Material: Silicone
Sizes: (3), Small, Medium, Large
Packaging: 1 per box

Spectrum® Series Full-Face Masks

Mask Material: Silicone
Lens Material: Polycarbonate
Sizes: (3), Small, Medium, Large
Packaging: 1 per box
ANSI Face Protection: ANSI/ISEA Z87.1+ - 2010 impact face protection

Warranty

1-year limited manufacturer warranty for original purchase from date of purchase

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