



ESM+ PF60

Powered Air Purifying Respirator

GENERAL INDUSTRY

Self-Contained Head Mounted Powered Air Purifying Respirator. Enhanced for Maximum Mobility and Protection in Medium and Heavy-Duty Industries.

A self-contained head mounted powered air purifying respirator designed for use in medium and heavy-duty industries including, but not inclusive of, smelting, construction, metal recycling and welding. Its streamlined design ensures minimal interference with tools, machinery, and other personal protective equipment, including fall protection harness systems.



KEY FEATURES

- The unique air circulation system creates a smooth continuous flow of air that draws air from the surrounding environment through the filter located at rear of helmet
- The advanced electronics package within the ESM+ continually monitors all functions and provides a self-diagnostic system check to ensure proper functioning
- Adjustable FR neck cape, when sealed, creates self-contained positive pressure environment, providing additional protection to the lower face and neck area
- Wide vision face-shield manufactured from high impact-resistant polycarbonate with anti-mist, splash resistant and anti-scratch coating
- Quick release headband makes the product simple to clean and allows the helmet to be adjusted quickly and easily for different head sizes and shapes; achieving optimum comfort, balance and fit
- Choice of HEPA (HE) filter or a combination HE/HF/HC filter (Hydrogen Fluoride and Hydrogen Chloride); both remove 99.97% of liquid or solid based contaminants; effective for removal of nuisance odors from organic vapors
- Includes a corrosion resistant gold-plated battery and updated rustproof hardware.
- PCB with new electronics board automatically maintains flow at altitude
- Sealed electronics enclosure requires less maintenance and improves reliability
- Low fan vibration which provides a quieter experience for the wearer
- Optional external power switch
- Optional hard hat colors

Specifications	PureFlo Hard Hat PF60 ESM+
System Classification	Powered Air-Purifying Respirator (PAPR)
Head Protection	ANSI Z89.1 Type 1 Class G
Face Shield/ Eye Protection	ANSI Z87.1+ :2015 Certified; SEI Certified and Listed
Respiratory	NIOSH 42CFR84
Filter Type	HEPA (HE) or HEPA/HF/HC *Nuisance OV
Flow Rate	8.1 CFM or 230 Liters/Min
Noise Level	Under 70dB
Weight	PF60 ESM+ without filter & batteries = 2.945 lbs. / 1125 g PF60 ESM+ w/ batteries & HE Filter = 4.091 lbs. / 1319 g PF60 ESM+ w/ batteries & HE/HF/HC Cartridge = 4.94 lbs. / 1658 g
Assigned Protection Factor (APF)	APF 1000 Neck Cape demonstrated by SWPF study/testing
Head Size Range	6 3/8" - 7 7/8" or 54 - 61cm
Charger Specifications	110V/240V AC/50 or 60 Hz/200 mA
Battery Type	5 Cell Nickel Metal Hydride 6v 2.2 Ah per pack
Battery Duration	Up to 7 Hours with Two Batteries
Recharge Time	2.5 Hours from Full Discharge



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Optional Accessories

- Tychem 2000 (QC) Disposable Overhead, designed to help protect the head from limited liquid chemical splashes and dusts when worn with a PureFlo ESM+ P APR.
- Nuisance Odor Filter Cartridge HE/HC/HF
- Four different neck capes—all with an APF 1000
- Secondary Visor Attachment that lets you attach a variety of different visors: gold coated, mesh, shades of green
- 16 battery multi charger
- ESM cap-lamp bracket
- Radiant Heat Kits

Available Neck Capes

Integrity 1800 Neck Cape

- Recommended for pharmaceutical, biotech and similar applications, class 10 (ISO Class 4) and higher.
- Made of densely woven continuous filament polyester fabric with an ESD stripe designed to meet the quality and performance standards in critical Cleanroom environments around the world.
- Highly fluid repellent (Teflon® HT treatment) and also contains a durable antimicrobial treatment (Aegis) to inhibit bacterial growth and reduce bioburden.
- Adjustable neck cord.
- Two Velcro attachments for securing free end of lanyard.
- Twelve snap fasteners for easy removal and attachment.

Tychem® Single and Double-Bib Disposable Neck Capes

- Dupont Tychem® 2000 fabric starts with Tyvek® brand fabric and adds a polyethylene coating for added chemical protection.
- Tychem 2000 fabrics are tested by a third party laboratory to assess its chemical penetration resistance.
- Protects against light liquid splash with at least 30 minutes of protection against more than 40 chemical challenges.
- Used by many in the petroleum, pulp and paper, food and chemical processing, and pharma industries.
- Protects against biological hazards, such as exposure to blood or blood-borne pathogens, pandemic preparedness response.

STEDPRENE® (flame retardant) Neck Cape

- Flame Resistant as per ASTM D6413
- Abrasion Resistant Flash Fire Protection as per ASTM F1930
- Chemical Penetration Resistance as per ASTM F903
- Adjustable neck cord
- Two Velcro attachments for securing free end of lanyard
- Twelve snap fasteners for easy removal and attachment

Contact Us

Gentex is committed to designing innovative safety solutions that protect people from immediate and long-term health and safety hazards present in their work environments, while enhancing workplace performance. Contact us today for more information on PureFlo and our full line of industrial safety solutions.

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