

P-Series ESM PAPP

Industrial Respiratory Protection Systems

Advanced Powered Air-Purifying Respirators (PAPP) developed for the pharmaceutical industry.

PureFlo Electronic Systems Management (ESM) PAPP works by drawing air from the surrounding environment through the filter located at the rear of the helmet.

KEY FEATURES:

- Lightweight self-contained PAPP provides freedom of movement and increases worker acceptance
- ESM continually monitors all functions and provides a self-diagnostic systems check to assure optimum performance and added safety. LED and audible signals alert the wearer of low flow, low battery or filter change
- Quick-clean headtop eliminates disposal of paper hoods, which lowers costs
- Delivers air at 7.6 CFM into the breathing zone. Booster switch can be manually activated to increase airflow to 8.2 CFM or 230 Liters/Min to meet demands of hotter and more extreme working conditions. This unique air circulator system creates a smooth, continuous flow pattern, delivering the optimum air supply to the wearer with minimum resistance
- 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
- Adjustable Neck Cape, when sealed, creates self-contained positive pressure environment, providing additional protection to the lower face and neck area with an APF of 1000. Cape is made from Integrity 1800 polyester fabric designed for use in pharmaceutical clean room environments. It can be laundered in-house or by commercial laundry facilities for repeated use
- Face-shield is manufactured from high impact-resistant polycarbonate with anti-mist, anti-scratch coating; seals securely against helmet's frame and provides protection against impact, high impact (ANSI Z87+), and splashes



SPECIFICATIONS

APPROVALS	PureFlo Series P - Part Number PR02000-PBF
System Classification	Powered Air-Purifying Respirator (PAPP)
Head Protections	Bump Cap
Face-Shield/Eye Protection	ANSI Z87.1+
Respiratory	NIOSH 42CFR84
Filter Type	HEPA or HEPA/HF/HC *Nuisance Level OV
Initial Design Flow Rate	7.6 CFM or 210 Liters/Min
Boost Mode Flow Rate	8.2 CFM or 230 Liters/Min
Noise Level	Under 70dB
Weight	3.2 lbs with batteries
Assigned Protection Factor (APF)	1000 APF
FM nonincendive US and Canada	Class I, II, III, Div 2, Groups ABCDEFG
Head Size Range	6 3/8" - 7 7/8" or 54-61 cm
Charger Specifications	110V/240V AC /50 or 60 Hz/ 200 mA
Battery Type	5 Cell Nickel Metal Hydride 6V1.8 Ah per pack
Battery Duration	Up to 7 Hours with Two Batteries
Recharge Time	2.5 Hours from Full Discharge

P-Series ESM

Configurations

The PureFlo ESM is configurable for use in a wide variety of applications. First choose your helmet platform, then the options and accessories for your particular needs.



PureFlo P-Series ESM PAPR
Developed for the Pharmaceutical Industry.

APF 1000 Neck Cape

(Choose Your Filter)



Particulate HEPA Filter HE



**Nuisance Odor/
Filter Cartridge/
HE/HF/HC**

Features & Accessories



Unique Head Mounted Display (HMD)



Quick Release Headband
(Standard accessory on all PureFlo respirators)

Electronic Systems Management

ESM continuously monitors PAPR flow rate, battery and filter life.

- LED/Audio Pre-Use-Check — Audible and all flash until flow rate is established
- LED/Filter OK — 3 Green on, new filter
- LED/Filter OK — 2 Green on, indicates filter usage
- LED/Filter OK — 1 Green on, indicates short filter life
- LED/Filter alert — 1 Red on, exit work area and replace filter
- Airflow Boost Mode — 3rd Green LED flashing
- Low Battery Alert — All LED's flashing, audible alert



16 battery multi-charger allows up to 16 ESM batteries to be charged at one time. Perfect for the users with multiple PureFlo PAPRs. Batteries can be added at random times and the internal PCB of the multicharger will charge each battery and indicate when the charging is complete in a nominal 2.5 hours.

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Contact Us

Gentex is committed to designing innovative industrial 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.