RANGE SYSTEMS™

PureFlo™

ESM PAPR
ELECTRONIC SYSTEMS MANAGEMENT

MAXIMUM MOBILITY AND PROTECTION FROM PARTICULATE HAZARDS.

Head mounted, complete self-contained PAPR with no trailing leads or hoses. Built-in Electronic System Management (ESM) light bar and audible alarm monitors airflow to alert the wearer of low flow, low battery or filter change. Unique air circulator system creates a smooth continuous flow of air.

KEY FEATURES:

- Draws air from surrounding environment through filter located at rear of helmet
- Sophisticated ESM continually monitors all functions and provides a self-diagnostic systems check
- Delivers air at 7.6 CFM into breathing zone. Manually activated Booster Switch increases airflow to 8.2 CFM or 230 Liters/Min to meet demands of hotter and more extreme working conditions
- 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 flame retardant Neck Cape, when sealed, creates self-contained positive pressure environment, providing additional protection to the lower face and neck area
- APF of 1000 with Neck Cape or APF of 25 with Loose Fitting Face Seal
- Wide vision face-shield manufactured from high impactresistant polycarbonate with anti-mist, anti-scratch coating. Seals securely against helmet's frame and provides protection against impact, high impact (ANSI Z87+) and splashes
- Hard Hat provides ANSI head protection. Black, White,Yellow & Hi-Viz colors available
- Quick Release Headband allows for easy cleaning and enables the helmet to be quickly and easily adjusted for different head sizes and shapes, achieving optimum comfort, balance and fit

SPECIFICATIONS:

APPROVALS	**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+
Respiratory	NIOSH 42CFR84
Filter Type	HEPA (HE) or HEPA/HF/HC *Nuisance 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	3.3 lbs
Assigned Protection Factor (APF)	APF 1000 Neck Cape or APF 25 Loose Fitting Face Seal
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 6V 2.2 Ah per pack
Battery Duration	Up to 7 Hours with Two Batteries
Recharge Time	2.5 Hours from Full Discharge

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 ESM PAPR
Developed for general industrial environments

PureFlo P-Series ESM PAPR
Developed for the Pharmaceutical Industry

PureFlo Pureweld ESM PAPR
Developed for welding-fume protection

(Choose one option)

APF 25 Loose Fitting Face Seal	**APF 1000 Neck Cape**

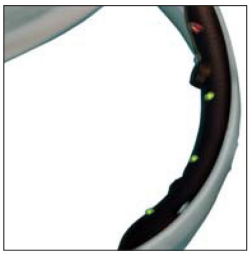
(Choose your filter)

Particulate HEPA Filter HE

Nuisance Odor/ Filter Cartridge/ HE/HF/HC

FEATURES & ACCESSORIES

Shade 5.0 Green Visor (Optional Accessory)



Unique Head Mounted Display (HMD)

Fixed or Flip Up Visor Flip Up Visor may be locked closed

Radiant Heat Kit/Tinted Gold Visor (Optional Accessory)

Quick Release Headband

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.