



Industrial Respiratory Protection Systems



Optimizing Human Performance

PureFlo powered air-purifying (PAPR) and supplied air (SAR) respirators are among the highest performing, cost effective industrial respiratory protection systems available. Used throughout the world in a wide variety of heavy and light duty industries, these proven respirators can be configured to match your exact needs. Their innovative designs provide integrated respiratory, head, face, and eye protection against industry hazards, while enhancing end user mobility, comfort, and workplace performance.

ESM PAPR

Maximum mobility and protection from particulate hazards.

Head mounted, completely self-contained PAPR with no trailing leads or hoses. Built-in Electronic System Management (ESM) light bar and audible alarm alert the user to low battery, filter change or low flow. Flow rate 7.6 or 8.2 CFM. Wide vision ANSI compliant primary lens. APF 1000 with Neck Cape, or APF 25 with Loose Fitting Face Seal.



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.

(Choose Your Helmet)



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
(Shown Above on ESM)

APF 1000 Cape
(Shown Above on P-Series and Pureweld)

(Choose Your Filter)



Particulate HEPA Filter HE



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

HYDRA® PAPR

For particulate hazards, organic vapors and acid gases.

Waist-mounted twin-filter blower unit. Multiple lightweight headtops including welding. Audible and LED alarm alerts the wearer to low flow, low battery or particulate filter change. Headtops can interchange with PureFlo Airline SAR. APF 1000 with Neck Cape or APF 25 with Loose Fitting Face Seal.



Configurations

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

(Choose Your Headtop)



PureFlo PAPR

Developed for general industrial environments.



PureFlo P-Series PAPR

Developed for the Pharmaceutical Industry.



PureFlo Pureweld PAPR

Developed for welding-fume protection.

STANDARD KIT COMPONENTS



Blower with Battery



Waist Belt



Hose

Battery Charger

(Choose One Option)

APF 1000 Cape
(Shown Above)

APF 25 Loose Fitting Face Seal

(Choose Your Filter)



HE (HEPA Filter)



HE/HF/HC/SD
(Acid Gas Filter)



HE/OV
(Organic Vapor Filter)

AIRLINE SAR



For applications where continuous flow, low or high pressure air is available.

Heating and cooling tubes allow user to adjust temperature inside helmet +/- 20-25° F. Multiple lightweight headtops, including welding. Headtops can interchange with PureFlo HYDRA.

Configurations

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

(Choose Your Headtop)



PureFlo

Developed for general industrial environments.



PureFlo Pureweld

Developed for welding-fume protection.

STANDARD COMPONENT



Down Tube

(Choose One Option)

Low Pressure Flow Adapter
(Less than 15 PSI)



(Standard with Above)



Low Pressure Hose
(25, 50, or 100')



Portable Low Pressure Ambient Air Pump

High Pressure Valve
(15-20 CFM @ 65-85 PSI)



High Pressure Flow Control Valve
(15-125 PSI)

(or)



Air Cooler
(16-25 PSI)

(or)



Air Temperature Controller
(Hot/Cold)

(Standard with all Options Above)



Filter Panel



High Pressure Hose
Coiled or Straight Available
(25, 50, or 100')

Ordering Information

For detailed part and ordering information, visit our website at www.gentexcorp.com/pureflo/us.

Part #	Description
ESM P APR	
PR02000-SHL	PF60ESM Respirator Black Hard Hat/HE Filter - Black Neck Cape; APF 1000
PR02000-SHL-B0C	PF60ESM/Black Hard Hat/HE-HF-HC Filter Cartridge- Black Neck Cape; APF 1000
PR02000-CHL	PF60ESM Respirator Black Hard Hat/HE Filter - Face Seal; APF 25
PR02000-SHL-V0A	PF60ESM/Hi-Vis. Green Hard Hat /HE Filter- Black Neck Cape; APF 1000
PR02000-SHL-B2A	PF60ESM/Welding Shield Accessory - ADF Lens/Black Hard Hat/HE Filter- Black Neck Cape; APF 1000
PR02000-SHL-B6A	PF 60 ESM/Welding Shield Accessory - Insight ADF - Black Hard Hat - HE Filter - Black Neck Cape; APF 1000
PR02000-PBF	PAPR ESM P-Series Fixed Visor, Bump Cap Pharma, Integrity 1800 Neck Cape; APF 1000 HEPA (HE) Filter
PR02042SP	ESM Multi-Charger 16 Bank
PR02545SP	Visor Protector Overlay - 6/pack
PR02510SP	Visor Protector - 4/pack
PR02020SP	ESM High Efficiency HE Filter - 8/box
PR02026SP	ESM Filter HE-HF-HC Cartridge
PR02475SP	Neck Cape Assembly; APF 1000 – Spare – 2/pack
PR01470SP	Neck Cape for P-Series - Integrity 1800; APF 1000 - 2/box
PR01600SP	Quick Release Headband
PR02605SP	Premium Head Lining Kit
HYDRA P APR	
PR08000-SHL-B	Headtop – Black Hard Hat with Neck Cape APF 1000
PR08000-CHL-B	Headtop – Black Hard Hat with Face Seal APF 25
PR08000-SHL-B1	Headtop – Black Hard Hat with Neck Cape APF 1000; Shade 10 Welding Lens
PR08000-SHL-B2	Headtop – Black Hard Hat with Neck Cape APF 1000; Auto Darkening Nexgen (ADF) Welding Lens
PR08000-SHL-B6	Headtop – Black Hard Hat with Neck Cape APF 1000; Auto Darkening Insight (ADF) Welding Lens
PR08000-PBF	Headtop – P-Series Bump Cap with Integrity 1800 Neck Cape APF 1000
PR02630SP	Complete PAPR Pack (Blower, Waist Belt, Battery, Charger, 36" Hose, HE Filters)
PR02631SP	Complete PAPR Pack (Blower, Waist Belt, Battery, Charger, 36" Hose, HE/HF/HC/SD Filters)
PR02632SP	Complete PAPR Pack (Blower, Waist Belt, Battery, Charger, 36" Hose, HE/OV Filters)
PR02623SP	HYDRA HE HEPA Filters
PR02624SP	HYDRA HE/HF/HC/SD Filters
PR02629SP	HYDRA HE/OV Filters
PR02545SP	Visor Protector Overlay - 6/pack
PR02510SP	Visor Protector - 4/pack
PR02475SP	Neck Cape Assembly; APF 1000 – Spare – 2/pack
PR01600SP	Quick Release Headband
PR02605SP	Premium Head Lining Kit
AIRLINE SAR	
PR08000-SHL-B	Headtop – Black Hard Hat with Neck Cape APF 1000
PR08000-SHL-B2	Headtop – Black Hard Hat with Neck Cape APF 1000; Auto Darkening Nexgen (ADF) Welding Lens
PR08000-SHL-B6	Headtop – Black Hard Hat with Neck Cape APF 1000; Auto Darkening Insight (ADF) Welding Lens
PR09904-13ISP	SAR Down Tube
PR09910-11SP	SAR Low Pressure Flow Adapter less than 16 PSI includes Waist Belt
PR09100-50S	SAR Low Pressure 3/8" Hose Assembly with Rectus Couplers x 50
PR09992SP	High Pressure Flow Control Valve 15-125 PSI includes Waist Belt
PR09991SP	Personal Air Cooler includes Waist Belt
PR09990SP	Air Temperature Controller includes Waist Belt
PR09101-50BSP	SAR High Pressure 3/8" Hose Assembly with Recturs Couplers x 50
PR09821SP	Pump for one helmet
PR09872SP	Air Filter Panel with CO Monitor 2 Helmets, 30 CFM
PR09875SP	Air Filter Panel with CO Monitor 4 Helmets, 60 CFM
PR09872-60	CO Monitor Cal Kit
PR09872-50	Replacement Filter Kit for 9872 and 9875
PR02475SP	Neck Cape Assembly; APF 1000 – Spare – 2/pack

Specifications

	ESM P APR	HYDRA P APR	AIRLINE SAR
System Classification	Powered Air-Purifying Respirator (P APR)	Powered Air-Purifying Respirator (P APR)	Supplied Air Respirator (SAR)
Head Protection	ANSI/ISEA Z89.1-2009, TYPE 1 CLASS G	ANSI/ISEA Z89.1-2009, TYPE 1 CLASS G	ANSI/ISEA Z89.1-2009, TYPE 1 CLASS G
Hard Hat Colors	Black, White, Yellow, Hi-Viz Green	Black, White, Yellow, Hi-Viz Green	Black, White, Yellow, Hi-Viz Green
Face-Shield/ Eye Protection	ANSI/ISEA Z87.1-2010 Hi Impact	ANSI/ISEA Z87.1-2010 Hi Impact	ANSI/ISEA Z87.1-2010 Hi Impact
Respiratory	NIOSH 42CFR84	NIOSH 42CFR84	NIOSH 42CFR84
Filter Type	HEPA (HE) or HEPA/HF/HC* *Nuisance OV	HEPA (HE) or HE/SD/HF/HC or HE/OV	N/A
Initial Design Flow Rate	7.6 CFM or 210 Liters/Min	7.6 CFM or 210 Liters/Min	>6 CFM (1704 min) >170 Liters/Min
Boost Mode Flow Rate	8.2 CFM or 230 Liters/Min	N/A	N/A
Noise Level	Under 70dB	Under 70dB	N/A
Weight	3.3 lbs	Headtop 2.5 lbs, Blower/Battery 2.8 lbs	Headtop 2.5 lbs
Assigned Protection Factor (APF)	Neck Cape =1000 APF; Loose Fitting Face Seal = 25 APF	Neck Cape =1000 APF; Loose Fitting Face Seal=25 APF	1000 APF
FM nonincendive US and Canada	Class 1, 11, 111, Div 2, Groups ABCDEFG	N/A	N/A
Head Size Range	6 3/8"-7 7/8" or 54-61 cm	6 3/8"-7 7/8" or 54-61 cm	6 3/8"-7 7/8" or 54-61 cm
Charger	110V/240V AC /50 or 60 Hz /200 mA	110V/240V AC /50 or 60 Hz /800 mA	N/A
Battery Type	NiMH 5 Cell, 6V, 4.5Ah	NiMH 5 Cell, 6V, 4.5Ah	N/A
Battery Duration	7 Hours with Two Batteries	7-8 Hours	N/A
Recharger Time	2.5 Hours from Full Discharge	5 Hours from Full Discharge	N/A



Options & Accessories

Shown below are our most popular options and accessories. For a full list contact us today.



Radiant Heat Kit/Tinted Gold Visor Option
(Optional with ESM PAPP)



16 Battery Multi-Charger
(Optional with ESM PAPP)



APF 25 Loose Fitting Face Seal
(Optional with ESM PAPP and HYDRA PAPP)



Shade 5.0 Green Visor Option
(Optional with ESM PAPP and HYDRA PAPP)



Quick Release Headband
(Standard accessory on all PureFlo respirators)



Fixed or Flip-Up Visor Options Available:
Flip-Up Visor may be locked closed.



Talk



Grind
(Standard on all PureFlo Welding Helmets)



Weld



Industrial Respiratory Protection Systems

PureFlo™ industrial respiratory protection systems, used in heavy industry, welding, pharmaceutical, and healthcare environments are part of Gentex Corporation's innovative industrial safety solutions portfolio, which protect people from immediate and long-term health and safety hazards present in their work environments, while enhancing workplace performance. Designed to provide broad-range personal protection and enhance mobility and end-user comfort, Gentex's worry free family of industrial safety solutions also includes Dual Mirror® aluminized fabrics, used in products to guard against heat, fire, and molten metal; and Filtron® light management technology, used in products to protect against laser and other damaging light sources.

About Gentex Corporation

Leveraging a product development and manufacturing history that spans more than 100 years, Gentex Corporation is a leading provider of innovative solutions that enhance personal protection and situational awareness for global defense forces, emergency responders, and industrial personnel operating in high performance environments. The company's product portfolio includes helmet system platforms and capability upgrades sold under the Gentex, Ops-Core®, ALPHA®, and PureFlo™ brands; Dual Mirror® aluminized fabrics; and Filtron® light management technology. Learn more at www.gentexcorp.com.



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.