

ESM+ PF33

Intrinsically Safe Powered Air
Purifying Respirator

The PureFlo ESM+ PF33 is an intrinsically safe PAPR approved for use in certain types of gas and dust environments where there are potentially explosive atmospheres. With no hose or waist-mounted unit, the ESM+ PF33 provides improved comfort and mobility for users.

The system is designed for use in challenging industrial environments including heavy engineering, steel manufacturing, metal fabrication, and smelting. The modular design enables the system to be configured to exactly match the required application, including high heat.



TECHNICAL SPECIFICATIONS

Weight	1.5kg (nominal)
Head Size Range	54 - 61cm
Protection Factor	Assigned Protection Factor (APF) - 40 Nominal Protection Factor (NPF) - 500
Humidity	0-90% (store out of direct sunlight)
Regulated Airflow	P3 Filter - 220 l/m initial, 170 l/m minimum ABEP3 Filter - 205 l/m initial, 170 l/m minimum
Temperature Range	Charging: +5°C to +40°C Use: -5°C to +40°C Storage: +5°C to +40°C
Power Supply	Battery: 4-cell, nominal 4.8V, capacity 2.2AH per pack Battery Life: 8-hrs (normal air flow, two fully charged battery packs fitted) Charging Method/Rate: Mains charger, 2.5 hrs from fully discharged

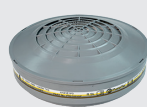
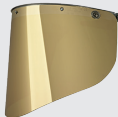
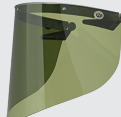
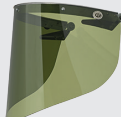
APPROVALS

Respiratory Protection	EN 12941:1998 + A2:2008 TH3P	AS/NZS 1716:2012
Head Protection	EN 397:2012+A1:2012	
Environmental Protection	IP Rating/Class: IP54Cat2;IP44 ATEX Certificate: CML 18ATEX2404X IECEx Certificate: IECEx CML 18.0213X ATEX Classification: II 3 G D	Gas Code: Ex ic IIC T4 Gc Dust Code: Ex ic IIIC T135° Dc Ambient Temperature Range: -5°C ≤ Ta ≤ +40°C
Eye/Face Protection	EN 166:2002 1B39	

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PRODUCT CONFIGURATION

The PureFlo ESM+ PF33 is configurable for use in a variety of applications. Choose from the hard hat shells and accessories below to configure to your specific needs.

FILTER OPTIONS			BATTERY OPTIONS		
					
P3 High Efficiency (PR01020SP)	P3 Nuisance Odour (PR01500SP)	ABEP3 (PR01025SP)	2 x Individual Batteries (PR01040SP)	Multi-charger 16 cell (PR01043SP)	
HARD HAT SHELLS					
					
Standard Yellow (PR01447SC)	Carbon Print, Black (PR01440SC)	White (PR01448SC)	Hi Viz (PR01449SC)	Aluminised High Radiant Heat (PR01446SC)	
VISORS/SHIELDS					
					
Gold Visor Shade 4/5 (PR01101SP)	Mesh Visor (PR01090SP)	Green Visor Shade 3 Half (Polycarbonate) (PR01092SP)	Green Visor Shade 3 Full (Polycarbonate) (PR01093SP)	Green Visor Shade 5 Full (Acetate) (PR01094SP)	Face Shield Attachment Bar (PR01153SP)
NECK CAPES & FACE SEALS					
					
Black Neck Cape (PR01475SP)	Spark Shield Neck Cape (PR01105SP)	Aluminised Neck Cape (PR01097SP)	Molten Metal Neck Cape (PR01109SP)	Fire Retardant Face Seal (PR01720SP)	

ELECTRONIC SYSTEMS MANAGEMENT (ESM)

Power On:	Constant red visual indicator for approximately 30 seconds changing to constant green when the operating point is reached
Low air flow warning:	Fast audible alarm, visual indicator flashing red
Normal operation:	Constant green visual indicator

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. **Tel:** +44 (0) 1776 70442 **Email:** sales@gentexcorp.eu.com
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