

# ESM+ PF33

Intrinsically Safe Powered Air Purifying Respirator



The ESM+ PF33 is a self-contained, modular powered air purifying respirator designed for use in medium and heavy-duty industries including smelting, construction, metal recycling and welding.

The PureFlo ESM+ Intrinsically Safe respirator is approved for use in certain types of gas and dust environments where there are potentially explosive atmospheres.

The modular design enables it to be configured to exactly match the required application.

## TECHNICAL SPECIFICATIONS

<b>Weight</b>	1.5kg (nominal)
<b>Head Size Range</b>	54 - 61cm
<b>Protection Factor</b>	Assigned Protection Factor (APF) - 40 Nominal Protection Factor (NPF) - 500
<b>Humidity</b>	0-90% (store out of direct sunlight)
<b>Regulated Airflow</b>	P3 Filter - 220 l/m initial, 170 l/m minimum ABEP3 Filter - 205 l/m initial, 170 l/m minimum
<b>Temperature Range</b>	Charging: +5°C to +40°C Use: -5°C to +40°C Storage: +5°C to +40°C
<b>Power Supply</b>	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

<b>Respiratory Protection</b>	EN 12941:1998 + A2:2008 TH3P	AS/NZS 1716:2012
<b>Head Protection</b>	EN 397:2012+A1:2012	
<b>Environmental Protection</b>	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
<b>Eye/Face Protection</b>	EN 166:2002 1B39	

## ESM+ PF33

### APPROVALS

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		
					
<b>P3 High Efficiency</b> (PR01020SP)	<b>P3 Nuisance Odour</b> (PR01500SP)	<b>ABEP3</b> (PR01025SP)	<b>2 x Individual Batteries</b> (PR01040SP)	<b>Multi-charger 16 cell</b> (PR01043SP)	
HARD HAT SHELLS					
					
<b>Standard Yellow</b> (PR01447SC)	<b>Carbon Print, Black</b> (PR01440SC)	<b>White</b> (PR01448SC)	<b>Hi Viz</b> (PR01449SC)	<b>Aluminised High Radiant Heat</b> (PR01446SC)	
VISORS/SHIELDS					
					
<b>Gold Visor Shade 4/5</b> (PR01101SP)	<b>Mesh Visor</b> (PR01090SP)	<b>Green Visor Shade 3 Half (Polycarbonate)</b> (PR01092SP)	<b>Green Visor Shade 3 Full (Polycarbonate)</b> (PR01093SP)	<b>Green Visor Shade 5 Full (Acetate)</b> (PR01094SP)	<b>Welding Shield</b> (PR01100SP)
ACCESSORIES					
					
<b>Black Neck Cape</b> (PR01475SP)	<b>Spark Shield Neck Cape</b> (PR01105SP)	<b>Aluminised Neck Cape</b> (PR01097SP)	<b>Molten Metal Neck Cape</b> (PR01109SP)	<b>Fire Retardant Face Seal</b> (PR01720SP)	<b>Face Shield Attachment Bar</b> (PR01153SP)

### ELECTRONIC SYSTEMS MANAGEMENT (ESM)

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