PureFlo®

ESM+ PF33

Intrinisically 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

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	

PureFlo®

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



P3 High Efficiency
(PR01020SP)



P3 Nuisance Odour
(PR01500SP)



ABEP3
(PR01025SP)

BATTERY OPTIONS



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)

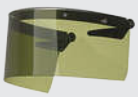
VISORS/SHIELDS



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)



Welding Shield
(PR01100SP)

ACCESSORIES



Black Neck Cape
(PR01475SP)



Spark Shield Neck Cape
(PR01105SP)



Aluminised Neck Cape
(PR01097SP)



Molten Metal Neck Cape
(PR01109SP)



Fire Retardant Face Seal
(PR01720SP)



Face Shield Attachment Bar
(PR01153SP)

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
Follow Us on LinkedIn: pureflo-respiratory-protection

Copyright © 2023 Gentex Corporation. PureFlo and the PureFlo logo are registered trademarks of Gentex Corporation or its affiliates. REV.20280925