

ESM+ PF33

Powered Air Purifying Respirator



Data Sheet

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



TECHNICAL SPECIFICATION

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 TH3
Head Protection	EN 397
Environmental Protection	IP Rating/Class IP54Cat2;IP44 (Pending)
Eye/Face Protection	BS EN 166 2002 1B39

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



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)

SYSTEM INDICATOR

- 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.

GENTEX
CORPORATION