

PureFlo ESM+

Intrinsically Safe Powered Air
Purifying Respirator



Comfort, Quality & Trust

PureFlo® Industrial Respirators

Comfort, Quality & Trust

Gentex Europe is a UK manufacturer with over 100 years' experience in the production of head, face, and respiratory protection for industrial, military, and public order environments.

Our brand is synonymous with providing optimum levels of protection for personnel working in hazardous situations.

PureFlo industrial respirators are among the highest-performing and most cost effective protective systems available on the market today. Proven and used throughout the world in a wide variety of heavy and light duty industries, and by numerous multi-national organisations, our wide range of PureFlo industrial respirators can be configured to match your exact needs.



PureFlo ESM+ Intrinsically Safe Powered Air Purifying Respirator

The leading self-contained, modular Powered Air Purifying Respirator from Gentex Europe:

- **Intrinsically Safe** - approved for use in certain types of gas and dust environments where there are potentially explosive atmospheres.
- **No trailing leads, hoses, or cables** provides improved safety (no "snagging") and permits use in wider range of applications compared to traditional back mounted powered respirators.
- **No belt mounted blower unit** required thereby improving user comfort. Ideal for use with a range of protective workwear.
- **Modular design:** can be configured to exactly match the required application.
- **No requirement for face fit** testing and can be used safely with beards and/or prescription spectacles.
- **Lightweight** integrated respiratory, head, eye and face protection.
- **Proven low running costs** with exceptional protection levels.
- **Includes 2 x 4-hour NiMH batteries and smart chargers**, plus optional 16 station smart multi-charger.
- **Increased airflow** to 220 l/m on P3 filter & 205 l/m on a ABEP3 filter.
- **Sealed motor housing** for ease of maintenance, enhanced cleaning and protection from contaminants.



TECHNICAL SPECIFICATION

Weight	1.5kg (nominal)
Head Size Range	54 - 61cm
Humidity	0-90% (store out of direct sunlight)
Protection Factor	Assigned Protection Factor (APF) - 40 Nominal Protection Factor (NPF) - 500
Regulated Airflow	P3 Filter - 220 l/m initial, 170 l/m minimum ABEP3 Filter - 205 l/m initial, 170 l/m minimum
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	PF23 - Bump Cap EN 812 PF33 - Hard Hat EN 397
Eye/Face Protection	PF23 - EN 166 2002 1B3 PF33 - EN 166 2002 1B39
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

APPLICATIONS

Configurable for heavy, medium, and light duty industries and providing face, head, and respiratory protection.

Industry/Construction



Pharmaceutical



Welding





Gentex Europe

Commerce Road, Stranraer, Scotland DG9 7DX

Tel: +44 (0) 1776 704421

Fax: +44 (0) 1776 706342

Email: sales@gentexcorp.eu.com

Web: pureflo.gentexcorp.com

Follow us on Twitter: @PureFloSafety

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