PureFlo®

# ESM+ PF23

## Intrinisically Safe Powered Air Purifying Respirator



The ESM+ PF23 is a self-contained, modular powered air purifying respirator designed for light duty industries including pharmaceutical, chemical, laboratory & healthcare.

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<br>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<br>ABEP3 filter - 205 l/m initial, 170 l/m minimum |
| **Temperature Range** | Charging: +5°C to +40°C<br>Use: -5°C to +40°C<br>Storage: +5°C to +40°C |
| **Power Supply** | Battery: 4-cell, nominal 4.8V, capacity 2.2AH per pack<br>Battery Life: 8 hrs (normal air flow, two fully charged battery packs fitted).<br>Battery Charging: Includes 8-hour NiMH batteries and smart chargers, plus optional 16 station smart multi-charger |

## APPROVALS

| | | |
|---|---|---|
| **Respiratory Protection** | EN 12941:1998 + A2:2008 TH3P | AS/NZS 1716:2012 |
| **Head Protection** | EN 812 | |
| **Environmental Protection** | IP Rating/Class: IP54Cat2;IP44<br>ATEX Certificate: CML 18ATEX2404X<br>IECEx Certificate: IECEx CML 18.0213X<br>ATEX Classification: II 3 G D | Gas Code: Ex ic IIC T4 Gc<br>Dust Code: Ex ic IIIC T135° Dc<br>Ambient Temperature Range:<br>-5°C ≤ Ta ≤ +40°C |
| **Eye/Face Protection** | EN 166:2002 1B39 | |

# ESM+ PF23

## APPROVALS

The PureFlo ESM+ PF23 is configurable for use in a variety of applications. Choose from the accessories below to configure to your specific needs.

### FILTER OPTIONS



**P3 High Efficiency**
(PR01020SP)



**P3 Nuisance Odour**
(PR01500SP)



**ABEP3**
(PR01025SP)

### NECK CAPES



**Black**
(PR01475SP)



**White**
(PR01470SP)



**Tychem - Yellow**
(PR01461SP)

### BATTERY OPTIONS



**2 x Individual Batteries**
(PR01040SP)



**Multi-charger 16 cell**
(PR01043SP)

## 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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