

PRODUCT CODE: PAF-0060


PRODUCT NAME: CleanSpace™ EX Power Unit



The CleanSpace™ EX Power Unit is an intrinsically safe battery-powered, positive pressure air-purifying respirator. The CleanSpace EX is suitable for use in certain ignitable or potentially explosive atmospheres where there is a risk of explosion. Suitable for particulate and gas applications.

Description:

The respirator can be used with CleanSpace™ half masks and full face masks. The power unit is compatible with the full range of standard CleanSpace™ particulate (P3) and combined gas filters (A1P3, ABE1P3) and pre-filters. The Full Face Mask is not intrinsically safe approved. Note: Check the site requirements for Intrinsically Safe approvals.

Approvals	Standard	Classification	
	AS/NZS1716: 2012	PAPR-P3 (provides P2 with half mask)	
	IEC 60079-0:2011		
	IEC 60079-11:2011	Ex ia I Ma, Ex ib IIB T4 Gb	

Features:

- Intrinsically safe
- Light weight and comfortable
- High visibility yellow casing for easy recognition
- AirSensit System™ for mask pressure control and breath responsive airflow
- One-button system and standby and auto-start/stop mode for quick don/doffing
- Easy to use support harness
- Altitude compensated filter blocked detection
- Long operating time: up to 8 hours and quick battery recharging: < 2hours
- Easy and accurate flow capability check
- Compatible with all CleanSpace™ half masks and full face masks
- Compatible with all CleanSpace™ filters: particulate and combined gas filters

Visual/Audible alarms:

- Filter blocked status
- Battery charge level
- Low battery
- Manufacturers minimum design flow: 120L/min

Specifications

- Peak airflow: Up to 220 l/min
- Weight: 540g
- Lithium-ion polymer battery
- Operating time: up to 8 hours
- Battery recharging: less than 2 hours
- Operation temperature range: -10°C to +45°C
- Charging temperature range: 0°C to 35°C
- Storage condition: -10°C to +35°C, 30% to 50% RH
- AC Adaptor charger: Input 100 – 240V, 50 to 60Hz, output 14.7Vdc ±5%, 24W

Suitable

**Applications for
Intrinsically
Safe approved
sites:**

- Underground mining requiring “Very High” equipment protection level (Ma) and level “ia” ignition protection to Methane, where constant risk of presence exists.
- Propane and Ethylene gas environment requiring “High” equipment protection Level (Gb) and level “ib” ignition protection, where the presence of such gases is likely to occur (Zone 1).

Suitable

**Applications
(other)**

Welding, Woodworking, Manufacturing, Smelting, Construction, Recycling Plants, Emergency Services, Mining, Agriculture, Processing Plants, Grinding.

Limitations

CleanSpace™ is an air filtering, fan assisted positive pressure mask and is designed to be worn in environments where there is sufficient oxygen to breathe safely. Do not use the CleanSpace™ in IDLH atmospheres, to protect against gases/vapours that cannot be filtered, or in Oxygen enriched or deficient atmospheres.