CleanSpace™
CST ULTRA Power System

CST1010 | Built for Airborne Particulates

CleanSpace®
RESPIRATORS
Free the way you breathe™

Product Overview

A CleanSpace CST ULTRA Power System consists of the following listed items:

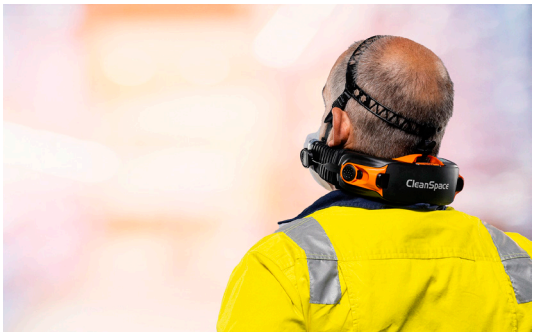
- CST1012 CleanSpaceTM CST ULTRA Power Unit
- CST1019/CST1020 CleanSpace CST Neck Supports
- PAF-1101 Battery Charger, All Models
- One Carry Bag
- Quick Start Guide

Note: The CleanSpace CST ULTRA Power System does not include a filter or mask.

Key Features

- Patented AirSensit® technology is breath responsive, adjusting to your breathing requirements for optimal comfort and performance
- Compact and lightweight: (< 500g) - easy to don and doff
- Improved mobility with no belts or hoses allowing you to work more freely
- Connected via Bluetooth to the CleanSpace SMART App
- IP 65 – suitable for decontamination
- Battery run time up to 14 hours*; fast recharge
- Long-term battery storage – ready to go when you are
- Compatible for use with CST particulate and particulate/chemical filters, providing 99.97% filtration efficiency
- Certified for use with Half Mask and Full Face Mask

*Operating time is strongly affected by filter type, filter loading, mask seal, work rate, altitude, and other factors. The operating times quoted above are average durations at moderate work rates at sea level. Actual operating times may vary widely from the quoted average durations.



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CleanSpace™
CST PRO Power Unit

CST1002 | Built for Everyday Environments

CleanSpace® RESPIRATORS
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Product Overview

The CleanSpace CST ULTRA features advanced reporting technology that offers valuable data for generating your workplace compliance reports. Suitable for environments that require high-level cleaning and decontamination.

The CleanSpace ULTRA Power Unit is a powered air purifying respirator (PAPR) when worn together with the following compatible items:

- A CleanSpace CST Full Face Mask (CST1017, CST1018), OR
- A CleanSpace CST Half Mask and Head Harness (CST1034, CST1035, CST1036), and
- A range of CleanSpace CST particulate and gas/vapour filters.

Suitable for environments which require respiratory protection against airborne biohazards, particulates, dust, gas and vapours.

This device is Bluetooth™ enabled and able to connect to the CleanSpace Smart App.

Key Features

- Lightweight, compact and comfortable
- One power button for simple operation
- AirSensit™ Technology:
  - mask pressure control and breath responsive airflow
  - filter life management
  - battery life management
- Intelligent Management Filter Technology (IMFT): filter life optimization and real-time insights
- Mask-release and adjust buttons suitable for gloved hands
- Long run time and short battery recharge time
- Long term storage technology maintains battery charge for 1 year
- IP 65 Rating: Resistant to dust and liquid ingress
- Suitable for decontamination showers and high water use environments
- Compatible with CleanSpace Smart App (available at Google Play and Apple App stores)

Specifications

- Product Weight: 415 g
- Dimensions: 210 mm x 180 mm x 70 mm
- Peak Airflow: 230 l/min
- Battery: Lithium-ion polymer
- Operating Time: up to 14 hrs
- Battery recharge time: < 2hrs
- AC Adaptor Charger: Input 100 – 240V, 50 to 60Hz, output 14.7Vdc ±5%, 24W

Approvals

- Standard: EN 12942:1998+A2: 2008; AS/NZS 1716: 2012
- Classification: TM3; PAPR-P3 (P2 with Half Mask)
- IP Rating 65

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CleanSpace™
CST PRO Power Unit

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Applications

Suitable for environments which require respiratory protection against airborne biohazards, particulates, dust, gas, and vapours.
Examples: Welding, Woodworking, Manufacturing, Smelting, Construction, Transportation, Recycling Plants, Emergency Services, Mining, Agriculture, Processing Plants, Grinding, Laboratories.
CleanSpace ULTRA respirators are IP 65 rated and are suitable for asbestos removal and chemical applications where decontamination showers are used.
CleanSpace ULTRA respirators are NOT suitable for intrinsically safe certified operations.

Limitations

CleanSpace respirators are air filtering, fan assisted, positive pressure systems and designed to be worn in environments where there is sufficient oxygen to breathe safely. Do not use CleanSpace respirators in immediately dangerous to life or health (IDLH) atmospheres, to protect against gases/vapours that cannot be filtered or in oxygen enriched or deficient atmospheres.

Use, Charging & Storage Conditions

- Use temperature range: -10°C to +45°C (14°F to +113°F) at < 90% relative humidity
- Charging temperature range: 0°C to 35°C (32°F to 95°F)
- Storage conditions: +10°C to +30°C (+50°F to +86°F) at < 75% relative humidity
- Battery charge maintained for up to one year when in storage

CleanSpace®
CST Neck Support

CST1019 (Small), CST1020 (Medium)

CleanSpace®
RESPIRATORS
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Product Overview

CleanSpace CST Neck Supports are specifically designed to provide additional positioning options of the power unit for optimal wearer comfort. They are compatible with the CleanSpace PRO Power Unit (CST1002) and CleanSpace ULTRA Power Unit (CST1012).
A CleanSpace CST Neck Support is made of light weight polypropylene plastic. It clips directly into the Power Unit and is easily changed.
A CleanSpace CST Neck Support is NOT certified intrinsically safe.

Key Features

- Designed for comfort over long periods
- Available in 2 sizes to accommodate different neck sizes
- Allows space between the wearer and the Power Unit for breathability
- The neck support articulates, allowing for full head movement
- Designed for long wear in harsh environments

Applications

Examples: Mining, Welding, Manufacturing, Smelting, Construction, Recycling Plants, Emergency Service, Agriculture, Processing Plants, Grinding.
The CleanSpace ULTRA system (CST1010) fitted with a CleanSpace CST Neck Support is suitable for chemical applications where decontamination showers are used.

Specifications

- Product Weight: CST 1019: 9 g, CST1020: 8 g
- Materials: Polypropylene plastic

Limitations

CleanSpace respirators are air filtering, fan assisted, positive pressure systems and designed to be worn in environments where there is sufficient oxygen to breathe safely. Do not use CleanSpace respirators in immediately dangerous to life or health (IDLH) atmospheres, to protect against gases/vapours that cannot be filtered or in oxygen enriched or deficient atmospheres.

Cleaning, Use & Storage Conditions

- Cleaning: Warm water and mild detergent (neutral pH 6 – 8). Do not use solvents (turpentine or acetone), hot water, bleaching or chemical agents
- Use temperature range: -10°C to +45°C (14°F to +113°F) at < 90% relative humidity
- Storage temperature range: +10°C to +30°C (+50°F to +86°F) at < 75% relative humidity
- Store away from direct sunlight, grease and oil

Approvals

- Standard: EN 12942:1998+A2:2008; AS/NZS 1716: 2012
- Classification: TM3; PAPR-P3

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CleanSpace®
Battery Charger (All models)
PAF-1101

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Product Overview
The CleanSpace Battery Charger is specifically designed to re-charge the internal lithium polymer battery of all CleanSpace Power Units. The battery charger has one lead and interchangeable plugs for use in different countries.

Key Features
- Used with the revolutionary CleanSpace PAPR: light weight, no hoses or belts
- Multinational interchangeable plugs

Specifications
- Weight: 210g
- Dimensions: 163mm x 95mm x 70mm
- Cleaning: This part is NOT waterproof. Do not use solvents (turpentine or acetone), hot water, bleaching or chemical agents.
- Storage and Use: –10°C to +45°C (–4°F to +113°F) at <90% relative humidity.
- Store away from direct sunlight, grease and oil

Limitations
CleanSpace respirators are air filtering, fan assisted, positive pressure systems and designed to be worn in environments where there is sufficient oxygen to breathe safely. Do not use CleanSpace respirators in immediately dangerous to life or health (IDLH) atmospheres, to protect against gases/vapours that cannot be filtered or in oxygen enriched or deficient atmospheres.

Approvals
- Standard: AS/NZS1716: 2012; EN 12942
- Classification: PAPR-P3