

PRODUCT CODE: CST1010

PRODUCT NAME: CleanSpace™ CST ULTRA Power System



Description

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

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

Note 1. The CleanSpace CST ULTRA Power System is supplied in an eco-friendly packaging box.

Note 2. The CleanSpace CST ULTRA Power System does not include a filter or mask.

Please refer to the Data sheets on the following pages for further information.



PRODUCT CODE: CST1012

PRODUCT NAME: CleanSpace™ ULTRA Power Unit



Description

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.

Approvals

Standard & Classification*

EN 12942:1998+A2: 2008 TM3
AS/NZS 1716: 2012 PAPR P3 (P2 with Half Mask)

IP Rating 65

**Specific Classification is dependent on filter used*

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)

Refer to [CleanSpace website](#) for details on the CleanSpace Smart App

Alarms

- Low Battery
- Filter Blocked
- Filter Absent
- Filter Expired
- Filter Maximum Use Time - minutes (*by subscription only*)

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

Use, Charging and 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



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.

Refer to [Filter Selection Table](#) for expanded information on applications.

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.

CleanSpace ULTRA Power Unit is not certified as intrinsically safe.

Education Contact sales@cleanspacetechnology.com or visit the [CleanSpace website](#) for details.

Warranty Visit <https://cleanspacetechnology.com/warranty/> to read important Warranty information and complete the Warranty Registration Online Form for CleanSpace Products. Consumable parts are warranted up to the point of use, provided they have been stored correctly and are within their expiry date.

CleanSpace recommends filters are replaced regularly.



PRODUCT CODE: CST1019 (Small), CST1020 (Medium)

PRODUCT NAME: CleanSpace™ CST Neck Support



Description

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.

Approvals	Standard & Classification*
	EN 12942:1998+A2:2008 TM3
	AS/NZS 1716: 2012 PAPR-P3
	<i>*Refer to specific classifications for more information when using with a specified filter</i>

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

Specifications

- Product Weight: CST 1019: 9 g, CST1020: 8 g

Materials Polypropylene plastic

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

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.

Refer to [Filter Selection Table](#) for expanded information on applications.

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.

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Warranty

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PRODUCT CODE: PAF-1101

PRODUCT NAME: CleanSpace Battery Charger for all Models



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

Approvals *Compatible with all CleanSpace Models*

Standard
AS/NZS1716: 2012
EN 12942

Classification
PAPR-P3

Features

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

Specifications and Materials

- 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

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

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.

Education Contact sales@cleanspacetechnology.com or visit the [CleanSpace website](http://www.cleanspacetechnology.com) for details.

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