

PRODUCT CODE: CST1000

PRODUCT NAME: CleanSpace™ CST PRO Power System



## Description

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

- CST1002 CleanSpace™ CST PRO 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 PRO Power System is supplied in an eco-friendly packaging box.

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

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



PRODUCT CODE: CST1002

PRODUCT NAME: CleanSpace™ PRO Power Unit



#### Description

The CleanSpace PRO 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 use in 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\*

EN12942:1998+A2:2008      TM3  
AS/NZS 1716: 2012          PAPR-P3 (P2 with Half Mask)

\*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
- 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

#### Specifications

- 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: < 2 hrs
- AC Adaptor Charger: Input 100 – 240V, 50 to 60Hz, output 14.7Vdc ±5%, 24W

#### 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



#### 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.

Refer to [Filter Selection Table](#) for more information.

CleanSpace PRO respirators are NOT suitable for asbestos removal, applications where decontamination showers are used or 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.

CleanSpace PRO Power Unit is not water tolerant/IP Rated or not certified as intrinsically safe.

#### Education

Contact [sales@cleanspacetechnology.com](mailto: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

\*Refer to specific classifications for more information when using with a specified filter

#### 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.

#### Education

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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](mailto:sales@cleanspacetechnology.com) or visit the [CleanSpace website](http://www.cleanspacetechnology.com) 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.

