



CleanSpace™ CST PRO Power System



PRODUCT CODE CST1001

PRODUCT NAME CleanSpace CST PRO Power System

DESCRIPTION The CleanSpace CST PRO Power System consists of the following items:

- 1 x CST1002 CST PRO Power Unit
- 1 x CST1019 CST Neck Support (Small)
- 1 x CST1020 CST Neck Support (Medium)
- 1 x PAF-1100 Battery Charger
- 1 x Carry Bag
- 1 x CST User Instructions

Note 1: The CleanSpace CST PRO power system is supplied in an eco-friendly packaging box.

Note 2: The CleanSpace CST PRO power system is NOT supplied with a mask or head harness.

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

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CleanSpace™ CST PRO Power Unit



PRODUCT CODE	CST1002
PRODUCT NAME	CleanSpace™ CST PRO Power Unit
DESCRIPTION	<p>The CleanSpace CST PRO Power Unit is a powered air purifying respirator (PAPR) when worn together with the following compatible items:</p> <ul style="list-style-type: none"> • A CleanSpace CST Half Face Mask and Head Harness (CST1034, CST1035, CST1036), and • A range of CleanSpace CST High Efficiency (HE) Particulate filters. <p>Suitable for use in environments which require respiratory protection against airborne biohazards, particulates, dust.</p> <p>This device is Bluetooth™ enabled and able to connect to the CleanSpace Smart App.</p>
APPROVALS	<p>Standard & Classification</p> <p>NIOSH PAPR TC-21C-126</p>
FEATURES	<ul style="list-style-type: none"> • Lightweight, compact and comfortable • One power button for simple operation • AirSensit™ Technology: <ul style="list-style-type: none"> - Maintains positive pressure inside the mask by synchronising with the users breathing - 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)
ALARMS / ALERTS	<p>Low Battery Alarm</p> <p>Filter Change Alert (Blocked or Expiry Date Reached)</p> <p>Filter Absent Alarm</p>
SPECIFICATIONS	<ul style="list-style-type: none"> • Weight: 0.9 lbs • Dimensions: 8.3 in x 7.1 in x 2.8 in

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- Peak Airflow: 230 l/min
- Assigned Protection Factor (APF): 50 (CleanSpace CST PRO with Half Mask)
- Battery: Lithium-ion polymer
- Operating Time: up to 14 hrs*
- Battery recharge time: < 2 hrs
- AC Adaptor Charger: Input 100 – 240V, 50/60Hz, output 14.7Vdc ±5%, 24W

* Battery operating time is affected by mask fit, filter type, work rate and environmental conditions. Actually operating times may vary.

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 vapors.

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

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/vapors that cannot be filtered or in oxygen enriched or deficient atmospheres.

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

EDUCATION

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

WARRANTY

Visit www.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.





CleanSpace™ CST Neck Support



PRODUCT CODE	CST1019 (Small), CST1020 (Medium)
PRODUCT NAME	CleanSpace™ CST Neck Support
DESCRIPTION	<p>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 CST PRO Power Unit (CST1002) and CleanSpace CST ULTRA Power Unit (CST1012).</p> <p>A CleanSpace CST Neck Support is made of light weight polypropylene plastic. It clips directly into the Power Unit and is easily changed.</p>
APPROVALS	<p>Standard & Classification</p> <p>NIOSH PAPR</p>
FEATURES	<ul style="list-style-type: none"> • Designed for comfort over long periods • Available in 2 sizes to accommodate different neck sizes (small or medium) • 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	<ul style="list-style-type: none"> • Product Weight: CST 1019: 0.3 oz, CST1020: 0.3 oz
MATERIALS	Polypropylene plastic
CLEANING, USE & STORAGE CONDITIONS	<ul style="list-style-type: none"> • Cleaning: Warm water and mild detergent (neutral pH 6 – 8). • Use temperature range: -10°C to +45°C (14°F to +113°F) at < 90% relative humidity • Storage conditions: +10°C to +30°C (+50°F to +86°F) at < 75% relative humidity • Store away from direct sunlight, grease and oil
APPLICATIONS	<p>Examples: Mining, Welding, Manufacturing, Smelting, Construction, Recycling Plants, Emergency Service, Agriculture, Processing Plants, Grinding.</p> <p>The CleanSpace ULTRA system (CST1011) fitted with a CleanSpace CST Neck Support is suitable for chemical applications where decontamination showers are used.</p>

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CleanSpace™ Battery Charger (All models)



PRODUCT CODE	PAF-1100
PRODUCT NAME	CleanSpace Battery Charger (all models)
DESCRIPTION	The CleanSpace Battery Charger is specifically designed to re-charge the internal lithium-ion polymer battery of all CleanSpace Power Units requiring NEMA connectors (North America and other countries that use the standards set by the US National Electrical Manufacturers Association)
SPECIFICATIONS	<ul style="list-style-type: none"> • Packaged Product Weight: 210 g • Packaged Product Dimensions: 163mm 95mm x 70mm
USE & STORAGE CONDITIONS	<ul style="list-style-type: none"> • Use temperature range: -10°C to +45°C (14°F to +113°F) at < 90% relative humidity • Storage conditions: +10°C to +30°C (+50°F to +86°F) at < 75% relative humidity • Store away from direct sunlight, grease and oil
LIMITATIONS	Do not charge in or near electrically-noisy equipment/environments (e.g. close to welding equipment) The charger is not Intrinsically safe and must not be used in potentially explosive environments.
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WARRANTY	Visit http://www.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.

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