



CleanSpace™ CST ULTRA Power System



PRODUCT CODE CST1011

PRODUCT NAME CleanSpace CST ULTRA Power System

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

- 1 x CST1012 CST ULTRA 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 ULTRA power system is supplied in an eco-friendly packaging box.

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

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

Australia (Head Office): +61 2 8436 4000 | sales@cleanspacetechnology.com

Uncontrolled if downloaded or printed from the internet.

WWW.CLEANSPEACEUSA.COM





CleanSpace™ CST ULTRA Power Unit

PRODUCT CODE	CST1012
PRODUCT NAME	CleanSpace™ CST ULTRA Power Unit
DESCRIPTION	<p>The CleanSpace CST ULTRA 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 Mask and Head Harness (CST1034, CST1035, CST1036), or • A CleanSpace CST Full Face Mask (CST1017, CST1018), 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 IP65 Rating</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 • Long term storage technology maintains battery charge for 1 year • IP65 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)
ALARMS / ALERTS	<p>Low Battery Alarm</p> <p>Filter Change Alert (Blocked or Expiry Date Reached)</p> <p>Filter Absent Alarm</p>

Australia (Head Office): +61 2 8436 4000 | sales@cleanspacetechnology.com

Uncontrolled if downloaded or printed from the internet.

WWW.CLEANSPEACEUSA.COM





Filter Maximum Use Time (as set by user in CleanSpace SMART App)

SPECIFICATIONS

- Weight: 0.9 lbs
- Dimensions: 8.3 in x 7.1 in x 2.8 in
- Peak Airflow: 230 l/min
- Assigned Protection Factor (APF): 50 (CleanSpace CST ULTRA with Half Mask)
- Assigned Protection Factor (APF): 1000 (CleanSpace CST ULTRA with Full Face 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
- 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 vapors.

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

CleanSpace ULTRA respirators are IP65 rated and are suitable for asbestos removal and chemical applications where decontamination showers are used.

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 ULTRA Power Unit 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>

Australia (Head Office): +61 2 8436 4000 | sales@cleanspacetechnology.com

Uncontrolled if downloaded or printed from the internet.

WWW.CLEANSPEACEUSA.COM





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.

EDUCATION

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

Australia (Head Office): +61 2 8436 4000 | sales@cleanspacetechnology.com

Uncontrolled if downloaded or printed from the internet.

[WWW.CLEANSPACEUSA.COM](https://www.cleanspaceusa.com)





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.
EDUCATION	Contact sales@cleanspacetechnology.com or visit the CleanSpace website for details.
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.

Australia (Head Office): +61 2 8436 4000 | sales@cleanspacetechnology.com

Uncontrolled if downloaded or printed from the internet.

WWW.CLEANSPACEUSA.COM

