

PRODUCT CODE: CST1006

PRODUCT NAME: CleanSpace™ CST NIOSH HE + Nuisance level relief from Cyclohexane, Sulfur Dioxide, Chlorine, Hydrogen Sulfide, Ammonia and Formaldehyde.



#### Description

CleanSpace CST High Efficiency (HE) Filters are a NIOSH approved particulate filter. The layer of activated multi-gas carbon provides Nuisance level relief from Cyclohexane, Sulfur Dioxide, Chlorine, Hydrogen Sulfide, Ammonia and Formaldehyde. NIOSH does not evaluate the effectiveness of Nuisance Odor Filters for the removal of Nuisance Odors. If used against Formaldehyde, this filter must be disposed of at the end of every shift.

**These filters are suitable for nuisance level exposure not exceeding OSHA PEL.**

CleanSpace CST High Efficiency (HE) Filters are compact. They clip easily and directly into the CleanSpace ULTRA Power Unit (CST1011). This filter is compatible with the CleanSpace ULTRA configured with a CleanSpace Half Face Mask (CST1034, CST1035, CST1036) and CleanSpace Full Face Mask (CST1017, CST1018). No adaptor is required.

CleanSpace CST filters are enabled to collect filter usage data which can be accessed via the CleanSpace SMART App.

*IMPORTANT: When selecting a CleanSpace Filter consult a Health and Safety specialist for advice on the appropriate respiratory equipment and filter use.*

#### Approvals

##### Standard & Classification

NIOSH approved to 42 CFR Part 84 (High Efficiency, 99.97%) - CleanSpace CST ULTRA (CST1011) with Half Mask (TC-21C-1340) or Full-Face Mask (TC-21C-1341).

Certified to EN 12942 grade ABEK1 TM3 (European tight-fitting PAPR standard). Note: The EN gas filter certification is not applicable for use in the US. NIOSH does not evaluate the effectiveness of Nuisance Odor Filters for the removal of nuisance odors.

CST1006 has undergone performance testing against formaldehyde. The data sourced from CST1006 challenge testing was completed by independent Laboratory MNR Services - a unit of Assay Technology (<https://www.assaytech.com/resources-respirator-testing-equipment/>)

For further information please submit an inquiry at <https://cleanspacetechnology.com/dta/>

#### Features

- Convenient to use
  - Filter and filter cover integrated into a single item
  - Easy to fit and remove from the power unit using snap in/snap out clips
  - No requirement for a filter adaptor
- Optimal Filter usage target is assisted by AirSensit™ Technology
- Fitted with a near-field communication chip
  - Collects and transfers filter usage data to the CleanSpace SMART App via the power unit firmware
  - Absence of a filter and chip in correct working position will trigger an alarm in the power unit. The CleanSpace SMART App displays a notification if it is being used during this time
  - Detection of filter being used past the filter expiry date triggers an alarm in the power unit. The CleanSpace SMART App displays a notification if it is being used during this time

#### Specifications

Product Weight: 0.6 lbs

Product Dimensions: 5.5 in x 2.2 in x 3 in

Approved (HE) High Efficiency filtration performance:  $\geq 99.97\%$  filtration efficiency for particulates  
Only to be used with CleanSpace CST1011 ULTRA Power Unit



**Materials** Borosilicate microfibre filter media | Activated Carbon | ABS (acrylonitrile butadiene styrene) Plastic Casing | Silicone Seal

**Use & Storage Conditions** Use temperature range: 14°F to +113°F at < 90% relative humidity  
Storage conditions: +50°F to +86°F at < 75% relative humidity  
Store away from direct sunlight, grease and oil.  
Packaged Shelf Life: 5 years from manufacturing date

**Applications** Post Fire Investigation, Welding, Waste and water management, Construction, Paper manufacturing, Maintenance & cleaning, Pharmaceutical, Laboratories, Animal Facilities, Police investigation & forensics and Animal & Food processing.

Note: When used with Formaldehyde odors the filter should be replaced at the end of each work shift.

For further information please submit an inquiry at <https://cleanspacetechnology.com/dta/>

**Limitations** CleanSpace respirators are PAPRs – air-filtering, fan-assisted positive pressure masks and designed to be worn in environments where there is sufficient oxygen to breathe safely. Do not use CleanSpace 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.

These filters are not waterproof and should be replaced if they come into contact with water.

**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.

