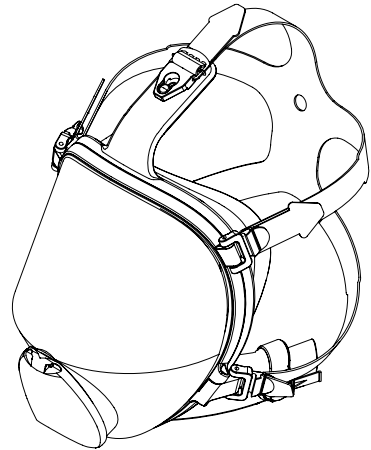
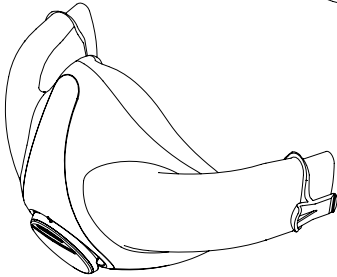
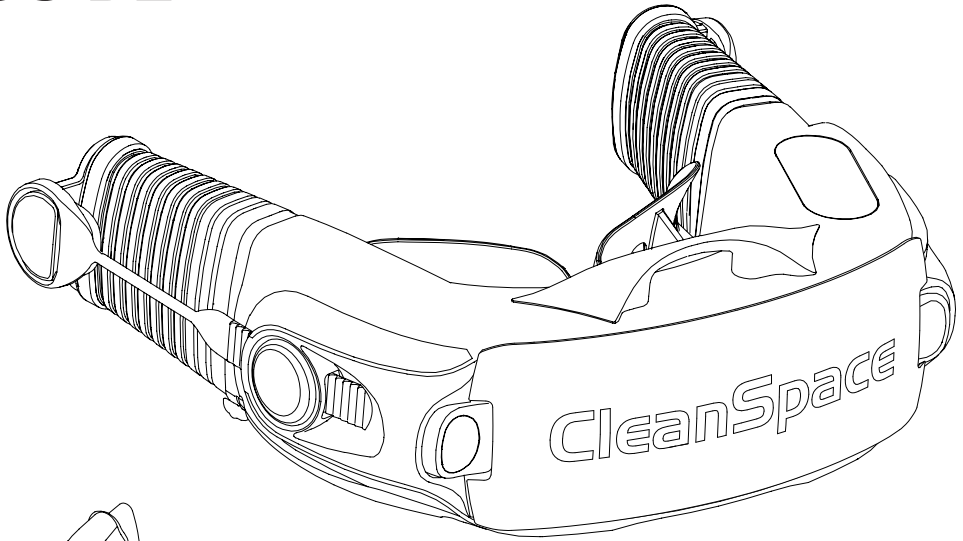


# CleanSpace®

R E S P I R A T O R S

## QUICK START GUIDE



**CleanSpace HALO**

**CleanSpace PRO**


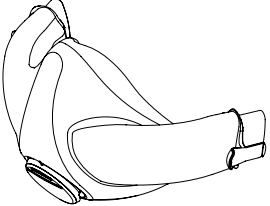
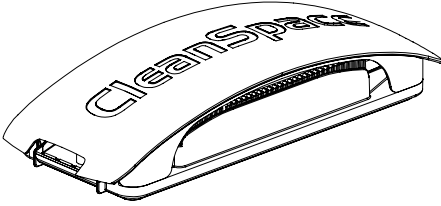
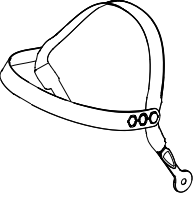
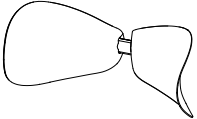

**CleanSpace ULTRA**

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[sales@cleanspacetechnology.com](mailto:sales@cleanspacetechnology.com)

### CleanSpace Respirator Approved Configurations

| CleanSpace <sup>®</sup><br>RESPIRATORS |             |  |         |         |  |        |        |        |        |         |         |         |  |         |        |        |         |         |  |         |         |         |  |        |  |         |         |        |        |         |         |          |
|--|-------------|---|---------|---------|--|--------|--------|--------|--------|---------|---------|---------|---|---------|--------|--------|---------|---------|---|---------|---------|---------|---|--------|---|---------|---------|--------|--------|---------|---------|----------|
|  |             | CS3001  | CST1002 | CST1012 | CS3003   | CS3004 | CS3005 | CS3006 | CS3007 | CST1014 | CST1015 | CST1016 | CST1017   | CST1018 | CS3002 | CS3025 | CST1004 | CST1005 | CST1006   | CST1007 | CST1008 | CST1027 | CST1028   | CS3008 | CST1021   | CST1037 | CST1038 | CS3009 | CS3010 | CST1019 | CST1020 | PAF-1101 |
| CleanSpace HALO                        | Outside USA | X   |         |         | X  | X      | X      | X      | X      |         |         |         |   | X       | X      |        |         |         |   |         |         |         |   | X      |   |         |         | X      | X      |         |         | X        |
| CleanSpace PRO                         | Europe      |   | X       |         |  |        |        |        | X      | X       | X       | X       | X   |         |        | X      | X       | X       |   | X       | X       | X       |   |        | X   | X       |         |        | X      | X       | X       |          |
|  | AUS / NZ    |   | X       |         |  |        |        |        | X      | X       | X       | X       | X   |         |        | X      | X       |         | X   |         |         |         |   | X      |   |         |         |        | X      | X       | X       |          |
| CleanSpace ULTRA                       | Europe      |   |         | X       |  |        |        |        | X      | X       | X       | X       | X   |         |        | X      | X       | X       |   | X       | X       | X       |   |        | X   | X       |         |        | X      | X       | X       |          |
|  | AUS / NZ    |   |         | X       |  |        |        |        | X      | X       | X       | X       | X   |         |        | X      | X       |         | X   |         |         |         |   | X      |   |         |         |        | X      | X       | X       |          |

NOTE: USA users must consult the NIOSH Respirator Approval Label provided with each CleanSpace Respirator for the NIOSH-approved configurations.

### CleanSpace Respirator Approval Information

|                                    |   |   |
|------------------------------------|---|---|
| CleanSpace HALO                    |    | <b>Notified Body:</b> BSI (2797); Say Building, John M. Keynesplein, 1066 EP Amsterdam, Netherlands<br><b>Standard:</b> EN12942:1998/A2:2008<br><b>Classification:</b> TM3<br><b>DOC:</b> <a href="https://cleanspacetechnology.com/eu2016-425/">cleanspacetechnology.com/eu2016-425/</a><br><b>Regulation:</b> (EU) 2016/425<br><b>Category:</b> III<br><b>Modules:</b> B and D  |
|                                    |   | <b>Approved Body:</b> BSI (0086); Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP<br><b>Standard:</b> BS EN12942:1998/A2:2008<br><b>Classification:</b> TM3<br><b>DOC:</b> <a href="https://cleanspacetechnology.com/eu2016-425/">cleanspacetechnology.com/eu2016-425/</a><br><b>Regulation:</b> (EU) 2016/425 as brought into UK Law and amended<br><b>Category:</b> III<br><b>Modules:</b> B and D   |
| CleanSpace PRO<br>CleanSpace ULTRA |  | <b>Notified Body:</b> Apave SA (0082) - 6 Rue du Général Audran - 92412 COURBEVOIE cedex - France<br><b>Standard:</b> EN12942:1998/A2:2008<br>Apave protocol 24.0145 dated 09/02/2024<br><b>Classification:</b> TM3<br><b>DOC:</b> <a href="https://cleanspacetechnology.com/eu2016-425/">cleanspacetechnology.com/eu2016-425/</a><br><b>Regulation:</b> (EU) 2016/425<br><b>Category:</b> III<br><b>Modules:</b> B and D   |
|                                    |  | <b>Approved Body:</b> PARC (8509); Unit 4, Alverdiscott Road Industrial Estate, Bideford, Devon, EX39 4LQ<br><b>Standard:</b> BS EN12942:1998/A2:2008<br>Apave protocol 24.0145 dated 09/02/2024<br><b>Classification:</b> TM3<br><b>DOC:</b> <a href="https://cleanspacetechnology.com/eu2016-425/">cleanspacetechnology.com/eu2016-425/</a><br><b>Regulation:</b> (EU) 2016/425 as brought into UK Law and amended<br><b>Category:</b> III<br><b>Modules:</b> B and D |

# CleanSpace Respirator Quick Start Guide

Please read the entire CleanSpace Respirator Quick Start Guide before using a CleanSpace Respirator. To view additional instructions and product information, go to [cleanspacetechnology.com/product-resources/](http://cleanspacetechnology.com/product-resources/). Before use, refer to the relevant national standards in each local region and review methods to determine that a satisfactory fit test of your CleanSpace Respirator has been achieved.

## 1. Warnings & Limitations

CleanSpace is a powered air purifying respirator (PAPR) and should be used with the battery charged and in Power-On mode. CleanSpace Respirators are intended to protect against substances and mixtures which are hazardous to health.

If your CleanSpace Respirator is intrinsically safe, it will be clearly marked as such. Do not use non-intrinsically safe respirators in flammable or explosive atmospheres. Do not use in IDLH, or in oxygen enriched or deficient atmospheres.

Do not submerge the respirator in water. Do not use compressed air or a brush to clean the filter.

Operating Conditions: 0% - 90% RH, -10°C to 45°C. Storage Conditions: 0% - 75% RH, 10°C to 30°C.

Manufacturers Minimum Design Condition/Duration: CleanSpace Respirators will maintain positive pressure in the mask up to 120 l/min. Minimum 4-hour duration. The user must do a Flow Test to check the design condition before each use.

During pre-use visual inspection, if parts are missing or damaged replace them with approved parts before proceeding.

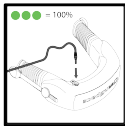
European users should be aware that all markings on the filter refer to the standard EN 12942 (1998) + A2 (2008).

## 2. System Description

### 2.1. ALARMS

- A. **Filter Change Alert** Two (2) beeps, Filter Alarm Light will flash. Change filter before entering the contaminated area.
- B. **Low Battery Alarm** Three (3) beeps. Less than 15 minutes runtime. Leave the contaminated area immediately.
- C. **Filter Absent Alarm (CST1002 & CST1012)** – Constant beep, Filter Alarm Light will flash. Install filter before entering the contaminated area.

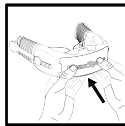
### 2.2. BATTERY, FILTERS & PRE-USE PROCESS



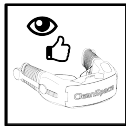
Charge Battery



Replace Filter



Visually Inspect all Parts Before Use



Recalibrate Unit



Flow Test: Battery & Filter Lights Flash = FAIL

## 3. Donning the CleanSpace PAPR

|                |              |             |         |            |
|----------------|--------------|-------------|---------|------------|
| Half Mask      | <br>Assemble | <br>Turn On | <br>Don | <br>Adjust |
| Full Face Mask | <br>Assemble | <br>Turn On | <br>Don | <br>Adjust |

## 4. Care and Cleaning

Cleaning or disinfectant wipes can be used to wipe down the components. Use a clean cloth to remove any cleaning residue before use. The mask, harness and neck support can be washed with a mild detergent in warm water. Power units must not be submerged in water. CleanSpace filters cannot be cleaned. Unopened filters have a storage life of five (5) years.