

# salus HC

A battery-powered, positive pressure powered air-purifying respirator (PAPR).

Designed to the PAPR100-P NIOSH standard, with an Assigned Protection Factor (APF): 25, specifically for healthcare, but is suitable for many applications including laboratory, pharmaceutical and emergency response.

- Worn on the shoulders with a flexible, closed cell carriage to evenly distribute the weight over the wearer's center of gravity.
- Quick connect breathing tube connections and an accordion style breathing tube with a maximum stretch of 15-in.
- Includes a single power button with ON/OFF and two (2) speeds conveniently located on the chest.



## Individual System Components

- NIOSH approved for use with Bullard LF-Series loose-fitting facepieces.
- Individual components for SALUS HC system include a HEPA filter, breathing tube, LF-Series loose-fitting facepiece, battery and battery chargers.
- Required components: SALUS HC assembly and LF-Series loose-fitting facepiece.

## Battery & Charger

High-capacity, rechargeable Lithium Ion (Li-Ion)

Battery charge status on product: 10-25%, 26-50%, 51-75%, 76-100%

Delivery status battery capacity: 30%

7.2V nominal, 6900 mAh, 8.4V dc Peak; 4.83A Max. charge current

Battery runtime: 4 to 6 hours (varies based on loose-fitting facepiece model and airflow setting)

Battery recharge: < 2 hours

Single-port battery charger

AC Adaptor charger: Input 100 – 240V, 50/60Hz, output 19V dc, 65W

Battery charger dimensions: 120 x 64 x 43mm (4.7 x 2.5 x 1.7-inch)

## Blower & Carriage

Number of speeds: 2 (high/low)

Airflow (low): 205 L/min (7.2 CFM)

Airflow (high): 220 L/min (7.8 CFM)

Brushless DC motor rated for 40,000+ hours

Bullard Active Flow Technology™

Closed cell PAPR carriage: chemically resistant, waterproof, UV resistant, antiallergic, antimicrobial

Universal size

Includes user-adjustable, TPU coated straps

## Respirator Loose-Fitting Facepiece

Fabric material: Dupont™ Tychem™ 2000

Lens material: PETG

Suspension: Sewn-in, soft suspension

Model sizes: 9 variations to accommodate virtually all face and head sizes –  
20LF - 3 sizes  
20LF2 - 3 sizes  
20LF HEPA - 3 sizes



# salus HC

## Country of Origin

Made in Kentucky, USA with locally and globally sourced components

## Approvals

SALUS HC: NIOSH (PAPR100-P)

## Filter

Type: High Efficiency Particulate (HEPA)

Filtration: 99.97% of dust, pollen, mold, bacteria, and any airborne particulates up to 0.3 microns (µm) or larger

## Breathing Tube

PVC coated with quick-connect and twist-lock connections

Resting length: 7.5-inch

Stretch length: 15-inch

## Safety Systems

Built-in low flow alarm verification

Low airflow: 190 L/min (6.7 CFM)

Low battery alarm activation: 5%

## Operating Conditions

Operating temperature:  
32° F to 104° F (0° C to 40° C)

## Total Weight

No breathing tube or loose-fitting facepiece: 3lbs

No breathing tube, loose-fitting facepiece, or battery: 2.6lbs

## Storage Conditions\*\*

Relative humidity: < 90%

Temperature (extended storage):  
40 °F to 95 °F (4 °C to 35 °C)

Optimal storage temp for battery to maintain charge while off charger: 60 °F (15 °C)

Packaging to withstand high vertical force for long-term stock piling

## Shelf life\*

Battery: 1 year

HEPA Filter: 10 years

Loose-Fitting Facepiece: 5 years (Dupont Tychem 2000 material)

## Decontamination

See SALUS HC User Manual for details [www.bullard.com/respiratory/salus-hc](http://www.bullard.com/respiratory/salus-hc)

## Latex

SALUS HC assembly does not contain components of dry or natural rubber latex



## Warranty

Blower Motor: 2 years\*\*\*

Battery & charger: 1 year

Breathing tube: 1 year

Filter: 1 year (unopened in original packaging)

Loose-Fitting Facepiece: 1 year (unopened in original packaging)

## Training

[www.bullard.com/respiratory/salus-hc](http://www.bullard.com/respiratory/salus-hc)

\* From the original date of manufacture when stored in original packaging and recommended storage conditions.

\*\* Store the battery with a state of charge between 40-60%

\*\*\* Standard warranty of 1 year. Requires product registration at [www.bullard.com/respiratory/salus-hc](http://www.bullard.com/respiratory/salus-hc)

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