

# EVAHL



## The EVA PAPR for Hazardous Locations

Updated February 12, 2013



# Still an EVA

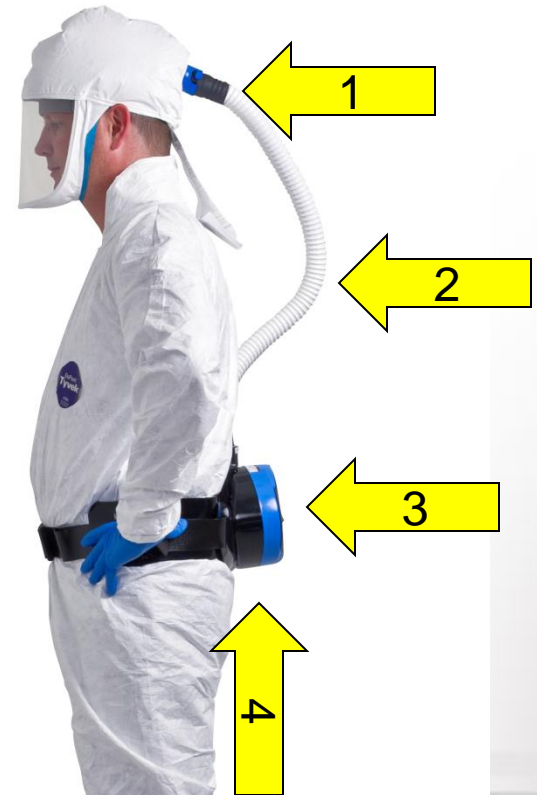
- Everything you loved about the EVA, now for Hazardous Locations:



# Components

A NIOSH approved EVAHL  
Powered Air Purifying  
Respirator System  
consists of four  
components:

- (1) Hood
- (2) Breathing Tube
- (3) Blower Assembly
- (4) Purifying Filter Cartridge



# Key Specifications

**NIOSH approvals:**

**HE: TC-21C-0922**

**OVAGHE: TC-23C-2765**

**Battery Technology: Rechargeable Lithium Polymer**

**Battery Run Time: 4-12 hours**

**Airflow: 200/240 lpm**

**7/8.5 cfm**

**Alarms: Low Battery**

**Low Flow**

**Warranty: 1 Year (Blower, Battery, Charger)**



# Applications

- **Pharmaceutical Manufacturing**
- **Healthcare**
- **Chemical Handling**
- **Laboratory Science**
- **Painting**
- **Powder Coating**
- **General Industrial**



# Protection

- **1,000 APF**
- **Scientifically Valid & Legally Defensible**
- **Independent, 3<sup>rd</sup> Party Testing (RDECOM)**
- **Rigorous Data Analysis**
  - 5<sup>th</sup> Percentile
  - Geometric Mean
  - Divided by 25 Safety Factor



# Form Factor

- **User Validated**
  - The style workers have asked for
- **Recessed HE Filter**
  - Keeps a low profile
- **Single Filter Design (HE or Chemical)**
  - Reduces weight and simplifies operation – other PAPRs require up to 3 filter cartridges
- **Stylish, Small, Compact, Lightweight**
  - Maximizes comfort and appearance
- **On-board Battery**
  - No cables to snag or become unplugged
- **Wide, padded, ergonomic belt**
  - Maximum lumbar support and comfort



# Dual Speed

- **User controlled**
  - Toggle to the setting desired
- **High Speed for maximum comfort and air flow**
  - 8.5 CFM (240 lpm)
- **Low Speed for personal preference and lesser air flow**
  - 7.0 CFM (200 lpm)





# Dual Alarms

- **Audible Low Battery Alarm**
  - Beeps with at least 20 minutes of battery run time remaining
- **Audible Low Flow Alarm**
  - Constant when flow falls below 185 Lpm
- **Confidence**
- **Safety**
- **Peace of Mind**



# Battery Fuel Gauge

- The remaining capacity of a battery is often a mystery once it has been removed from the charger
- EVAHL solves this mystery with the push of a button
- LEDs illuminate to display the remaining capacity in 25% increments



# Active Flow Technology



Think cruise control for your PAPR

## Cars

- *Constant Speed*
- *Changing hill or gas tank conditions*
- *Feedback loop from speedometer to engine*



## EVAHL PAPR

- *Constant flow*
- *Changing Hood Types or Filter Cartridge or Battery Conditions*
- *Feedback loop from mass flow sensor to blower*



## Other PAPRs

- *Indirect control via RPM or Voltage*
- *No feedback control*
- *Flow diminishes as battery drains*
- *Flow diminishes as filter loads*



# Brushless Motor

- **Brushless motors are the most durable motors available lasting 10,000-20,000 hrs vs. 1,000-2,000 for a typical brush style motor**
- **The EVAHL combination of brushless motor and dynamically balanced impeller make it one of the quietest operating PAPRs available all while providing significantly higher air flows**



# Decon Friendly

**Decon Friendly Design prevents cross contamination in production batches while saving money by reducing cleanup time.**

- **Chemically Resistant Housing**
  - Withstands a wide range of common cleaning solutions
- **Choice of Closed Cell Foam or Vinyl Belt**
  - Wipes down quickly
- **Sealed & Gasketed Housing**
  - Eliminates potential “traps” that might harbor debris
- **Shower Cap Accessory**
  - Allows user to utilize a decon shower while wearing the PAPR in operation



# “genius” Chargers

- First, there were chargers
- Then, along came smart chargers
- Now, you can have a “genius” charger
- Ever wonder?
  - How many cycles your battery has performed?
  - When your battery is approaching the end of useful life?
  - What the capacity of your battery will be after its next charging?
- **With EVAHL you can access this via your computer with our line of genius chargers**
  - Single Port “genius” Chargers (EVAHLSMC2)
  - Six Port Smart Chargers (EVAHLGC)



# Hood Style Headtops

- **All Hoods**
  - No Fit Testing Required
  - No Shaving Required
- **CC20 Hoods**
  - Standard ratchet headband
  - 1,000 APF for double bib models
- **20LF Loose Fitting Facepieces**
  - Soft, sewn-in headband
  - 25 APF
- **RT Series Hoods**
  - NIOSH approved without a headband
  - 1,000 APF





# New Headtops

- **T-Series**
  - Threaded Quick Connections for Breathing Tubes
  - Available for CC20 & RT

## T-Series Hoods

All the great features you've come to love about Bullard Hoods...

Now with a Threaded Quick-Attach Connection.



**NEW!**  
Quick-Attach  
Connection

### The Highest Protection

- 1,000 Assigned Protection Factor (APF) determined by Third Party testing
- SAR and PAPR Interchangeable for easier inventory management

### The Greatest Comfort

- Patented Air Delivery System directs air to the breathing zone and prevents fogging
- No Fit Testing saves time and money and improves OSHA compliance

### The Most Choices

- Single Bib or Double Bib
- Dupont Tychem® QC, Tychem SL, or Nomex® Fabrics
- With or without headbands
- Acetate, PETG, Vinyl, or Polycarbonate Lenses



[www.bullard.com](http://www.bullard.com)



# Still an EVA

- **Everything you loved about the EVA now for Hazardous Locations:**

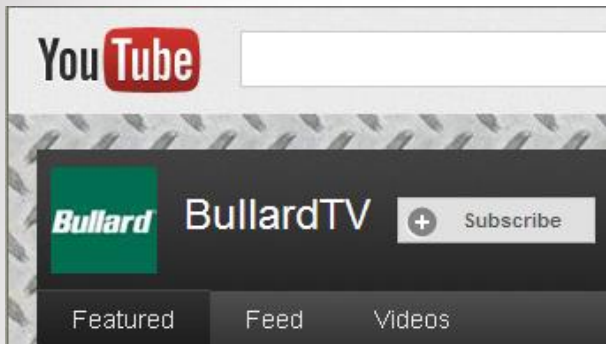
- Same form factor
- Same air flow
- Same dual speeds
- Same Active Flow Technology
- Same filters
- Same fuel gauge
- Same alarms
- Same belts
- Same hoods
- Same brushless motor technology



- **It's still an EVA!!!**



# But wait, there's more:



- Build your own respirator configurations and save them in your personal library
- Download or post videos
- Join the Bullard Community



**For More Information:**

**Call 1-877-Bullard  
or  
visit [www.bullard.com](http://www.bullard.com)**

