



Bullard®



**RESPIRATORY
Protection and Air Quality Products**

History of Innovation

For more than a century, Bullard has focused its efforts on saving lives with quality safety products that are widely known to customers as "best in class."

During the 1930s, Bullard engineers designed the original Supplied Air Respirator (SAR) for workers responsible for blasting the steelwork prior to the application of the international orange paint to the Golden Gate Bridge. This invention set in motion the revolutionary journey in Bullard respiratory protection. Through the years, Bullard has expanded its line of respiratory protection to include Powered Air-Purifying Respirators (PAPRs), airline respirators, pressure demand systems, supplied air filters, and a full range of breathing air pumps and CO monitors.

Protection

Bullard provides respiratory products to the world's leading companies, so employees are protected at the highest levels from workplace hazards. Built with worker safety and security in mind, Bullard's respiratory products meet NIOSH (National Institute of Occupational Safety & Health) standards and offer workers top-quality protection on the job.

Comfort

Respiratory systems designed and improved with direct input from actual users make Bullard the leader in providing solutions for comfort. Bullard products are customized for ease of movement, built to be compact and lightweight, and ergonomically designed for the comfort of the worker.

Value

When you rely on Bullard respiratory protection, you get dependability and value. Bullard's 21st-century technology reduces lifetime ownership costs through robust systems, low replacement parts costs, and leading warranties that provide solutions in value.

877-BULLARD (285-5273) • +1-859-234-6616

Bullard Applications

Table of Contents

| | |
|--|-------|
| Abrasive Blasting Helmets..... | 4 |
| Welding & Grinding Headtops | 5 |
| Full-Face Masks | 6 |
| Half Masks & Grinding Hoods..... | 7 |
| Air Quality & CO Monitoring..... | 8-9 |
| Ambient Air Pumps | 10-11 |
| Body Temperature Management..... | 12-13 |
| Loose-Fitting Hoods | 14-15 |
| Powered Air-Purifying Respirators..... | 16-17 |
| MAXXLIFE Cartridge Calculator | 18 |

Bullard Applications



| Industry | GenVX® Series | 88VX Series | SparxLift Series | Spectrum Series® | FAMB2 Series | CC20 Series | RT Series | EVA Series | EVAHL Series |
|-------------------|---------------|-------------|------------------|------------------|--------------|-------------|-----------|------------|--------------|
| Painting | • | • | | • | • | • | • | • | • |
| Chemical Handling | | | | • | • | • | • | • | • |
| Abrasive Blasting | • | • | | | | | | | |
| Grinding | | | • | | | | | • | |
| Healthcare | | | | | | • | • | • | • |
| Pharmaceutical | | | | • | | • | • | • | • |
| Welding | | | • | | • | | | • | |

Abrasive Blasting Helmets



GenVX®

GenVX® Series Airline Respirator

The Next Generation of Blasting

Bullard's GenVX represents the next generation of blasting helmets: It is the **Lightest, Coolest**, most **Comfortable**, and most **Dependable** helmet available. Weighing a full pound less than competitive products, the GenVX offers the most cooling options for added comfort. Constructed from High-Density Polyethylene (HDPE) for superior strength, the sleek design of the GenVX allows air to pass directly over the user's head, providing greater air flow and improved cooling. The helmet offers launderable, removable, and adjustable cheek pads for increased comfort and stability and a "Grit Guard" visor that keeps debris out of the lens. Third-party 1,000 Assigned Protection Factor (APF) data, ANSI/ISEA Z89 Head Protection, and High Impact Z87+ Face Protection ratings make the GenVX the most dependable blast helmet on the market.

88VX Series Airline Respirator

Full Head, Neck, and Torso Protection

The 88 Series Supplied Air Respirator (SAR) continues to offer industry-leading comfort, reliability, and superior respiratory protection for abrasive blasters and painters. Engineering advancements include enhanced durability, light weight, comfortable fit, cheek pads, and optional tinted lenses. Independent third-party testing documents 1,000 APF for the 88VX.



Welding & Grinding Headtops

NEW



SPARX^{LIFT}

NEW **Sparklift Series** **For Welders and Grinders**

The Sparklift Supplied Air Respirator (SAR) system offers six flow control options while combining face and respiratory protection in a single package for welders and grinders. Sparklift is NIOSH-approved for use as a SAR system and offers ANSI/ISEA Z87+ high impact face protection.

Featuring an Auto Darkening Filter (ADF) and unique patented AutoLift design, Sparklift allows users to quickly switch from welding to grinding with the push of a button. Sparklift is equipped with optically correct Ultraviolet (UV) and Infrared (IR) filters to provide users with superior protection and viewing performance. The helmet's ADF reacts to prevent flash in 1/25,000 of a second, and UV and IR filters provide full-time protection.

Sparklift PAPR

Sparklift Welding Helmet for EVA Powered Air-Purifying Respirator

Powered by the industry leading EVA PAPR blower, the Sparklift system provides the best combination of both face and respiratory protection for welding and grinding in a single package. The Sparklift PAPR provides welders and grinders with NIOSH-approved respiratory protection and ANSI/ISEA Z87+ High Impact face protection in a single package.

Sparklift is available in 25 Assigned Protection Factor (APF) or 1,000 APF, depending on the shroud attached.

www.bullard.com



Full-Face Masks



Spectrum Series® Full-Face Mask

Continuous Flow Supplied Air Respirator

Spectrum continuous flow respirators provide outstanding comfort, low-profile fit, and unparalleled visibility, taking the work out of wearing a respirator. The Spectrum features a large speaking diaphragm directly in front of the wearer's mouth for enhanced communications.

Spectrum is also approved with EVA for Powered Air-Purifying Respirator (PAPR) use.

Spectrum Pressure Demand Full-Face Mask

Confined Space, Pressure Demand, and Pressure Demand Escape Supplied Air Respirator

If worker mobility is the requirement, the Pressure Demand Spectrum is the respirator of choice for compressed or bottled air sources. The lightweight, low-profile regulator and facepiece minimize interference with line of vision and other personal protective equipment. The regulator includes a first breath feature, which permits donning of the respirator without free flow, conserving the air supply. When equipped with the optional escape cylinder, the Spectrum is suitable for work within or escape from IDLH* environments.

*Immediately Dangerous to Life or Health

Half Masks & Grinding Hoods



FAMB2 Half Mask

Painting, Welding, and General Industrial Applications

Featuring a soft, flexible silicone facepiece that conforms to the workers face, FAMB2 provides a continuous air flow to workers operating in environments contaminated with dust, mists, gases, and vapors.

A comfortable positive-pressure airline respirator, Bullard FAMB2 presents a simple means of supplying clean air to workers. FAMB2 accommodates low pressure air sources. FAMB2 also allows a wide field of vision, accommodates glasses, and can be worn with faceshields, visors, welding helmets, and hard hats.

The FAMB mask is also approved for use with the EVA in a Powered Air-Purifying Respirator (PAPR) configuration.

GR50 Series Hoods

Grinding Applications

The GR50 Series is one of the first hood-style respirators designed specifically with grinding operations in mind. This respirator is lightweight and fully protective with a Nomex® outer hood and a polycarbonate lens with ANSI/ISEA Z87+ Impact Face Protection. The inner liner is made of flame retardant cotton as an additional protective barrier.

The GR50 Series Hoods are also approved for use with the EVA in a PAPR configuration.



Air Quality & CO Monitoring



Clean Air Box (CAB)

High Performance Air Filtering and Monitoring Systems

Clean Air Boxes can help employers comply with Grade D breathing standards by providing high performance particulate filtration and continuous Carbon Monoxide (CO) monitoring. Available as either a portable enclosed case or fixed wall mount, these units feature high performance three-stage filtration, auto-drains, CO monitoring, filter change indicators, and the capacity to support up to eight workers.

Remote Air Manifold (RAM)

Air Distribution and Regulation

Remote Air Manifolds are effective for air distribution and regulation to multiple workers from a common air source. Standard features include multiple respirator couplings, single or multiple pressure regulators, and a rugged Pelican™ protective case. Bullard Remote Air Manifolds meet the NIOSH requirements for point-of-attachment.



Air Quality & CO Monitoring



41 Series Airline Filters

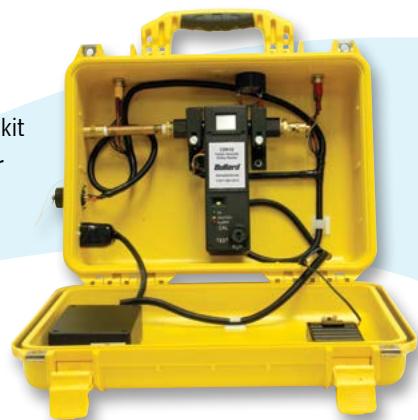
Air Distribution and Regulation

The 41 Series airline filters from Bullard provide six layers of filtration media to effectively trap water, oil, particulates, odors, and organic vapors. The unit is available in a two- or six-outlet model for respirator use and in a single-outlet model to supply drier, cleaner air to tools and pneumatic systems. Constructed from heavy gauge steel, 41 Series Filters are built to withstand rugged industrial environments.

Carbon Monoxide Monitors

Continuous Monitoring for Carbon Monoxide

This compact, durable unit connects easily to any compressed breathing air source (connection kit included). The monitor is factory set to sound a 93 dB alarm when CO level exceeds 10 parts per million (ppm), the OSHA limit. Monitors are also available with a CO alarm set point of 5 ppm to meet Canadian Standards Association (CSA) and certain international requirements. External operation lights show green for Normal and red for Alarm, for easy visual monitoring. An alarm jack that allows connection to remote alarm devices is standard. Monitors operate on 9-volt battery or 110-volt AC power. Backup battery power supply capability is standard on all units. Together with a 41 Series Filter, the COHP monitor helps maintain Grade D Breathing Air Requirements.



Ambient Air Pumps



NEW ICE Pump

The ICE Pump is a revolutionary Breathing Air Pump System that provides cool Grade D Air to workers. It is the newest pump in Bullard's full line of pumps that provides workers with increased protection and comfort while maximizing productivity. The ICE Pump safely provides cool, clean, breathable air to workers wearing Continuous Flow Supplied Air Respirators.

The ICE Pump reduces heat stress in workers by providing more than 15°F of ambient air cooling to users when combined with Frigitron 2000 Cooling Device. The ICE Pump is portable and comes standard with Wheel Kit and Roll Cage.



Ambient Air Pumps



Free-Air® Pump

Bullard Free-Air Electric-Driven Pumps

When placed in a clean air environment, Bullard Free-Air pumps offer a low-cost means of supplying clean, breathable air to respirator wearers working in contaminated environments up to 300 feet away from the pump. They are efficient, economical, and easy to operate and maintain. Free-Air pumps do not require high temperature alarms, CO monitors, or airline filters, so they can be a cost-effective alternative to compressed air. Bullard offers the EDP10, EDP16, EDP30, and EDP50 Free-Air Pumps.

Bullard's Air-Driven Pump

The ADP20 Air-Driven Free-Air Pump is ideal for both general purpose and hazardous duty use. It supplies air to four hood-style or six half- or full-face mask respirators approved to operate at 25 pounds per square inch gage (psig) or less. Intrinsically safe and offering an inlet drive pressure of 95 psig, air flow is 30 cubic feet per minute (cfm) at 5 psig. The ADP20 is compatible with the Bullard Frigitron 2000 climate control device (for one worker).

EDP16



ADP20



Body Temperature Management



Personal Climate Devices

Cool or Warm Incoming Air

A complete range of worker-adjustable belt-mounted personal climate devices provides enhanced comfort when used with Bullard airline respirators. Specially designed cooling vests offer additional comfort as part of the climate control system.



Frigitron 2000 Cool Tube
Used with select Bullard Free-Air® Pumps and the ICE Pump



AC1000 Cool Tube
Used with GenVX®, 88VX, CC20, RT, SparxLift, and GR50 Series Respirators



CT Cool Tube
Used with GenVX and 88VX Series Respirators



HC2400
Hot/Cold Tube
Compressed Air Warming or Cooling.
Used with GenVX, 88VX, CC20, RT, and GR50 Series Respirators



Dual Cool Series
Works in conjunction with DC70 Series Vests to provide cooling to both the respirator head top and the wearer's torso



HCT Hot/Cold Tube
Used with GenVX and 88VX Series Respirators

Body Temperature Management



Isotherm® Cool Vests

Isotherm® is a revolutionary technology that offers more cooling, lasts longer, and is more comfortable than any other cooling product on the market.

Tests have proven that the Isotherm cool vest stays within the human “comfort zone” much longer than any other product. Unlike ice or gel packs that quickly lose their cooling, Isotherm’s unique phase-change technology maintains a constant, pre-set temperature that will provide hours of effective cooling to the user.

The cool packs within the vests can be recharged thousands of times, providing hours of safe, controlled body temperature management. No waiting... no downtime... simply submerge Isotherm Cool Packs in a cooler with ice water and they are fully energized in 20 minutes. Isotherm outperforms the competition, providing up to four hours of cooling relief down to 55°F.

Evaporative Cooling Products

Provide immediate relief from sweltering temperatures with Bullard's Evaporative Cooling Products. Bullard's hot weather accessories include Vest, Crown and Neck Shade, and Beanie.

Loose-Fitting Hoods



CC20 Series Hoods

Chemical, Pharmaceutical, Healthcare & Painting Applications

Available as a full hood, CC20 Series respirators provide a significantly higher level of protection than cartridge-style Air Purifying Respirators (APR). The 20TIC hood features a patented inflatable neck cuff air delivery system and has third-party documentation of 1,000 Assigned Protection Factor (APF).

20LF Series Loose-Fitting Facepieces

Chemical, Pharmaceutical, Healthcare & Painting Applications

The 20LF and 20LF2 loose-fitting facepieces feature a unique Soft Plenum air delivery system, latex-free construction and twist-lock breathing tube connection. Quick-attach T-Series Hoods (Threaded Connector) are currently available in Powered Air-Purifying Respirator (PAPR) configurations only.

CC20 and 20LF Series Headtops are NIOSH-approved as Supplied Air Respirators (SARs) and with EVA and EVAHL for PAPR use.



Loose-Fitting Hoods



RT Series Hoods

Chemical Handling and Pharmaceutical Applications

With a sport neck cuff made from soft nylon material, the RT Series DuPont™ Tychem® Respirator Hoods offer customers added comfort. This feature, along with the Bullard patented air delivery system, allows air to move freely through the hood, keeping users cool and allowing easier head and neck movement. Delivering air over the user's head, down the front of the lens, and into the breathing zone virtually eliminates lens fogging.

The RT Series offers a large lens with 135 square inches of unobstructed viewing, a headband free design, long inner and outer bibs for higher level protection, and a third-party tested 1,000 Assigned Protection Factor (APF). The RT Series is available in Tychem QC for general duty or Tychem SL with taped and sealed seams for extra barrier protection. Quick-attach T-Series Hoods (Threaded Connector) are currently available in Powered Air-Purifying Respirator (PAPR) configurations only.

RT Series Hoods are NIOSH-approved as Supplied Air Respirators (SARs) and with EVA and EVAHL in a Powered Air-Purifying Respirator (PAPR) configuration.

Powered Air-Purifying Respirators



EVA Series Powered Air-Purifying Respirator

Healthcare, Pharmaceutical, Painting, Grinding, Welding, and Powder Coat Applications

EVA offers cutting-edge Powered Air-Purifying Respirator (PAPR) technology and design. Offering workers a 1,000 Assigned Protection Factor (APF) in a small, low-profile design for added customer comfort, EVA was engineered with direct input from end users and experts from the field. Equipped with an innovative Active Flow Technology System that automatically maintains constant air flow, EVA is always responding to a worker's need for more or less air. This intelligent system is continuously working to maintain constant air flow, regardless of filter type, hood type, filter loading, or battery capacity. EVA features an easy-to-read fuel gauge that lets the user quickly check the unit's battery status, plus a long-lasting 10,000-hour brushless motor designed for long-term reliability.



Powered Air-Purifying Respirators



EVAHL Series Powered Air-Purifying Respirator

For Hazardous Locations

The Bullard EVAHL is the latest in Powered Air-Purifying Respirator (PAPR) technology for Hazardous Locations. EVAHL is the lightest Hazloc PAPR on the market and the only Hazloc PAPR with Active Flow Technology to keep air flow constant. Backed by independent 1,000 Assigned Protection Factor (APF) documentation, EVAHL can be used in multiple Hazardous Locations which may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flyings. EVAHL is a NIOSH-approved PAPR certified by CSA International for Hazardous Locations Class I, Division 2, Groups A, B, C, D, T6; Class II, Division 2, Groups F, G; and Class III.



MAXXLife Cartridge Calculator



MAXXLife Calculator

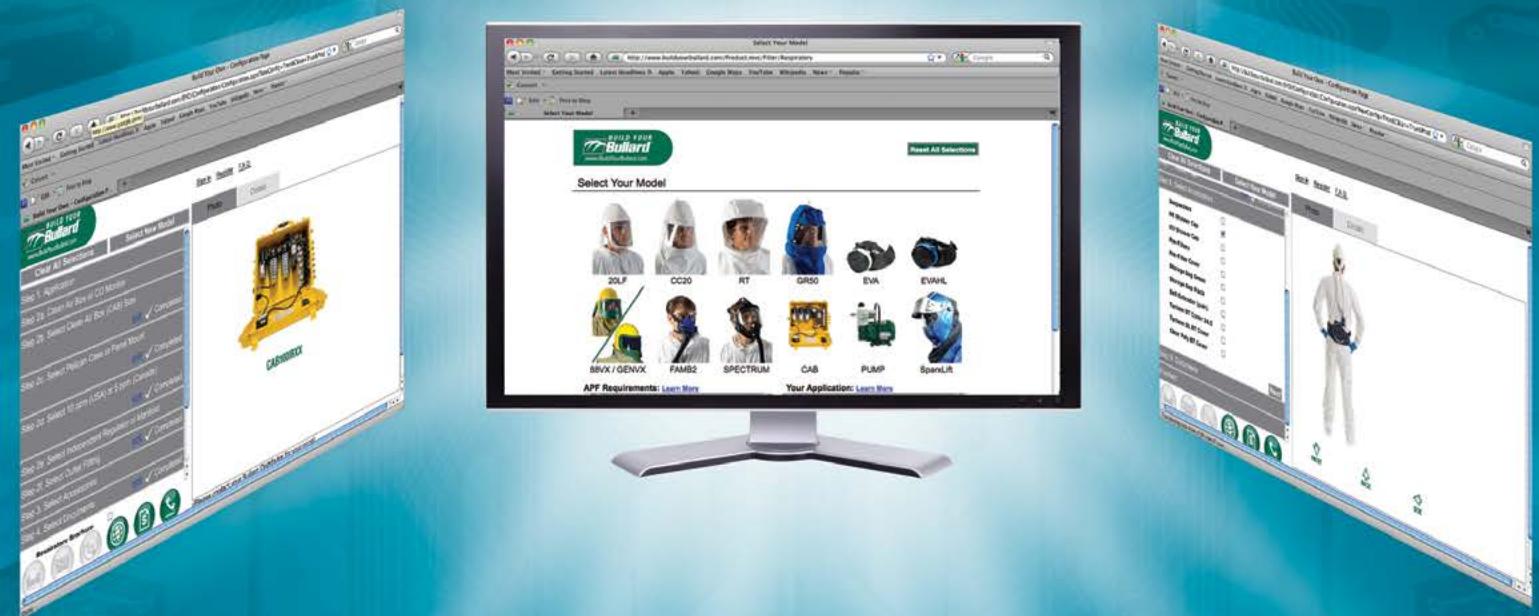
The ultimate tool for calculating respirator cartridge protection

MAXXLife is a user-friendly calculator that helps measure the service life of air-purifying respirator cartridges from Bullard. MAXXLife lets you manage the life of your cartridge. Just follow the step-by-step MAXXLife Calculator program to determine how long you can use your cartridge before it needs to be replaced. The MAXXLife Calculator measures both environmental and usage factors when determining approximately how long the cartridge could be used before hazardous chemicals would begin to break through the cartridge's protective filter.

The MAXXLife Calculator is available for download on the Bullard website. Just visit www.bullard.com and click on Resources in the menu bar at the top of your screen.



Build Your Bullard Product Configurator



Easy. Complete. Personal.

- **Build YOUR respiratory system at www.BuildYourBullard.com**
- **Eliminate the risk of building incompatible assemblies**
- **See the product from multiple angles**
- **Save all projects in your personal Project Library for easy reference**
- **Create document packages complete with specifications, sales literature, and custom configurations with images**



Americas:
Bullard
1898 Safety Way
Cynthiana, KY 41031-9303 • USA
Toll-free within USA: 877-BULLARD (285-5273)
Tel: +1-859-234-6616
Fax: +1-859-234-8987

Europe:
Bullard GmbH
Lilienthalstrasse 12
53624 Remagen • Germany
Tel: +49-2642 999980
Fax: +49-2642 9999829

Asia-Pacific:
Bullard Asia Pacific Pte. Ltd.
LHK Building
701 Sims Drive, #04-03
Singapore 387383
Tel: +65-6745-0556
Fax: +65-6745-5176

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