

**3M Personal Safety Division**  
First Receiver



# Ready for any Emergency

**Preparedness. Response. Recovery.**

We don't know when, where or what the next emergency will be, but we know it will occur. And we don't know if it will be an act of nature or at the hand of man. Personnel who care for the victims of these tragedies need the best training, overall readiness and the best equipment to do their job. 3M products and services are a vital component of homeland security preparedness and operations all around the world. We supply a wide variety of products and services such as respirators, including specialized respirators for Chemical, Biological, Radiological, Nuclear (CBRN) applications, protective eyewear, hearing protection products, sorbents and a range of services for training, staffing and supply management. Let 3M help you be ready for when you are called to respond.



# 3M™ Respiratory Protection for CBRN Applications

## 3M™ Breathe Easy™ (RBE) Powered Air Purifying Respirator (PAPR) System for Responders

These National Institute for Occupational Safety and Health (NIOSH) approved powered air purifying respirator systems help provide protection against Chemical, Biological, Radiological and Nuclear (CBRN) particulates, gases and vapors. Uniquely designed for first responder, first receiver and public health professionals.



for Responders PAPR Systems RBE-L10 and RBE-NM10

- Approved to NIOSH CBRN Loose-Fitting PAPR Standard
- 3M™ Cartridge RBE-57 meets NIOSH CBRN "Cap 1" requirements against agent tests and high efficiency particulate; high efficiency particulate filtration (99.97%)
- Lightweight, one size butyl rubber hood provides a wide field of vision, no fit test requirements and ability to use with eye glasses and limited facial hair
- Continuously filtered airflow for maximum comfort to help workers focus on their jobs for longer periods
- System functions with two battery options:
  - Lithium Battery non-rechargeable – up to 12 hours of use\*
  - NiMH Battery – up to 8 hours of use and 90% charged in 2 hours\*
- 3M duffle bag safely stores the system in one place and allows for quick access in an emergency
- 3M's unmatched customer service and technological expertise offer customers peace of mind

\* Battery duration will vary depending on the age of cells, temperature and filter loading

## To convert your 3M™ Breathe Easy™ PAPR System to a NIOSH CBRN-approved system:

- Make sure that you have either a FR-57L10 or FR-57N10 system. Other systems cannot be converted.
- If you have Battery Pack 520-01-15R01 NiCd, replace it with Battery Pack BP-15 NiMH and Smart Battery Charger BC-210

## Optional Accessories



3M™ Shower Cover RBE-SC: Cover



3M™ Communication Device RBE-CMH



3M™ Training Cartridge RBE-TRN



FR-57L10 or FR-57N10

+

RBE-HUP

## 3M™ Respiratory Protection continued

### 3M™ Breathe Easy™ Assemblies – BE-12-BIOKIT

Now you can enhance your existing 3M Breathe Easy assemblies when responding to biological hazards. Our biological conversion kit gives you a comfortable option and offers flexibility when responding to a variety of emergency response applications, including patient triage, decontamination and infection control. Our biological conversion kit allows you to:

- Enhance your existing 3M Breathe Easy assemblies
- Maximize your initial investment at a low conversion cost
- Stay with a response system your employees are trained for and familiar with
- No additional fit or user testing required
- Your monthly battery maintenance program remains the same—no additional batteries required



### 3M Inventory Management Tool

3M's interactive Inventory Management Tool can help you determine the initial and on-going quantities of 3M™ Breathe Easy™ PAPR Systems, accessories, reorder dates for cartridges and batteries with expiration dates. Based on data you provide, this 3M tool focuses on factors such as personnel count, the number of decontamination tent lanes, stations per lane, the number of shifts and expectations of your facilities.

### 3M™ Air-Mate™ High Efficiency Powered Air Purifying Respirator

3M Air-Mate systems incorporate the blower, filter and battery into a compact and lightweight belt-mounted unit for respiratory protection against airborne particulates. These respirators are used extensively in hospitals and in public health applications by health care workers.



- Can be used with either lightweight head cover or hood\*. The head cover/hood gives the user a wide field of vision and directs positive airflow into the breathing zone.
- The blower unit is a belt-mounted, lightweight package that combines the filter, battery and motor. It pushes air through the filter and breathing tube to the wearer's head cover/hood.
- Replacement filters are High Efficiency (HE) type with 99.97% filtration efficiency.
- No fit testing is required prior to wearing.

\* For use up to 1000 x PEL for hoods and 25 x PEL for head covers or applicable OSHA or other government assigned protection factors, whichever is lower.

**⚠ WARNING! See warnings on back cover.**

# 3M™ Respiratory Protection continued

## 3M™ Filtering Facepiece Respirators

### 3M Healthcare Particulate Respirator and Surgical Masks.

Provide reliable respiratory protection for the wearer as well as fluid resistance to splash and spatter of blood and other infectious materials. When worn properly and in combination with protective eyewear, these respirators help you comply with the OSHA Bloodborne Pathogens Standard. They also provide >99% BFE against wearer generated micro-organisms (determined by the modified Greene and Vesley method). They are all NIOSH 42 CFR 84 approved and include the following features:

- Fluid and splash-resistant
- FDA cleared for surgical use
- NIOSH N95 certified
- Cup style or flat-fold



### Other Occupational N95 Respirators.

Workers want respirators that are comfortable, lightweight and convenient. 3M developed the first filtering facepiece respirator to receive NIOSH approval in 1972. We have created numerous patented technologies that have been incorporated throughout our products. Today, our extensive family of respirators offers a full range of comfort, convenience and value. They are all NIOSH 42 CFR 84 approved and include the following features:

- Lightweight and comfortable
- Variety of strap attachments
- Adjustable noseclips
- Soft inner materials
- Variety of strap types
- Compatible with most eye and hearing protection



### 3M™ Half and Full Facepiece Respirators.

3M respirators offer comfort, convenience, flexibility and effectiveness... just what you'd expect from an industry leader. Our facepieces with choice of filters help provide wearers the protection needed for many different emergency situations.

These facepieces have the following features:

- Available in small, medium, and large sizes
- Various filter cartridges available
- Have drop down capabilities for half face models
- Compatible with 3M's line of cartridges and filters



**⚠ WARNING! See warnings on back cover.**

All 3M Safety Products in this catalog must be used in accordance with OSHA regulations and the *User Instructions*, warnings and limitations accompanying each product.



# Safety Eyewear



## Lexa™ Splash GoggleGear™ Safety Eyewear

Indirect vent goggles help protect from certain airborne particulates and chemical splash.

- DX™ anti-fog hard coat protects lens from fog, scratching, and most chemicals
- Meets CSA Z94.3-2007 and the High Impact requirements of ANSI Z87.1-2003

## Centurion™ Goggles

### 452 Impact Goggles with Direct Venting and 454 Splash/Impact Goggles with Indirect Venting

With a wide-angle wrap around design, Centurion goggles offer exceptional “side-to-side” peripheral vision. This “open” viewing range gives workers a non-restrictive feel and can help promote longer wear time.

- Tough Duralite™ polycarbonate lens with 99.9% UV protection
- Optional anti-fog coating
- Large lens opening fits over most prescription and safety glasses
- Meets CSA Z94.3-2001 High Impact requirements of ANSI Z87.1-2003



3M offers an extensive line of personal protective safety eyewear with a full range of:

- style
- comfort
- convenience
- value



Refine™  
Women's Safety Eyewear



BX™ Safety Eyewear  
ocean blue frame



BX™ Safety Eyewear  
silver/black frame



Maxim™  
Safety Eyewear



Light Vision 2™  
Safety Eyewear

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# Hearing Protection

## E-A-R™ UltraFit™ Earplugs

Talk about earplugs that can do it all. They're comfortable, hygienic and reusable. No sizing is required for these patented, premolded, triple-flange plugs. No inventory headaches from managing multiple sizes. And of course, E-A-R premolded plugs are available in a variety of styles and corded options.

- Reusable earplug saves time and money
- Washable, promotes proper hygiene
- Breakaway cord in case of machine entanglement
- Convenient carrying cases keep plugs clean when not in use
- NRR 25dB\*



## Peltor™ PowerCom PLUS™ 2-Way Radio Headsets

The Peltor 2-way radio headset is the perfect tool for communicating in high noise environments. Simple to operate and comfortable to wear, this headset offers numerous features that will help improve communications during emergency situations.

- Up to 2-mile transmitting range
- Voice activated or push-to-talk
- 22 channels 38 sub-channels
- NRR 25dB\* over the head model (as shown), NRR 25dB\* for behind the head model, NRR 24dB\* for cap attached model.



## Peltor™ HEARPLUG™ Headset

Designed for radio users in high noise environments that require a lightweight headset solution with hearing protection. It features clear, crisp 2-way communication making it useful in a wide variety of applications including Public Safety, Hazmat and Tactical teams.

- Slimline neckband design
- NRR 29 dB\* (using foam disposable ear plug tips), NRR 21\* (using reusable ear plug tips)
- Great for use in hot & humid environments!

\*Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in earplug fit and wearing time. It is recommended that the NRR be reduced by 50% for estimating the average amount of noise reduction provided.

## Related Products

### 3M™ Avagard™ Surgical and Healthcare Personnel Hand Antiseptic with Moisturizers

3M Avagard antiseptic hand prep is designed to replace water-aided antimicrobial hand scrub brushes and antimicrobial soaps. The scrubless, waterless way to prepare hands. It's fast-acting and effective antimicrobial protection for up to six hours without water or scrubbing. 3M Avagard hand antiseptic product has obtained FDA NDA approval, which includes a complete review by FDA of all safety and efficacy data.



### 3M™ Tempa•DOT™ Thermometers

3M offers a thermometry system that's accurate, convenient and economical. 3M Tempa•DOT thermometers are one-time-use, disposable clinical thermometers which help minimize the risk of passing harmful microorganisms from one patient to the next.

### 3M™ Littmann® Electronic Stethoscopes

The 3M™ Littmann® Electronic Stethoscope Model 3100's exceptional sound capabilities deliver an exceptional auscultation experience. Clinical evidence shows that it's easier to detect difficult-to-hear heart sounds, like S3 gallops, aortic regurgitation murmurs, and abnormal lung sounds. Here's why:

- State-of-the-Art Sound Sensor
- Built to stringent specifications, it provides a life-like 3M™ Littmann® sound experience equivalent to a high-end cardiology stethoscope
- Proprietary Ambient Noise Reduction Technology
- Proprietary technology reduces, on average, 85% of ambient background noise that can interfere with the auscultation experience. For the full story visit [www.Littmann.com](http://www.Littmann.com)
- Frictional Noise Reduction Technology
- Up to 24X Sound Amplification



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# Regulatory Compliance Services from 3M

## Online Respiratory Medical Evaluation

- Complete questionnaire in 15-30 minutes
- Immediate notification of clearance
- Can be used with any brand of respirator
- Exam can be taken on any computer with internet access
- Online record keeping tracks employee's clearance status
- Available 24/7—Schedule at your convenience
- Physician or other licensed health care professional (PLHCP) provides review and, if needed, will follow up with employee
- Questionnaire available in English or Spanish

[www.respexam.com](http://www.respexam.com)  
800-383-3393



### ⚠ WARNING!



These respirators help protect against certain airborne contaminants. Before use, the wearer must read and understand the *User Instructions* provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. **Misuse may result in sickness or death.** For proper use, see packaging instructions, supervisor, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

### ⚠ WARNING!

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, *User Instructions*, or call 3M in U.S.A. at 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing ear plugs. Failure to do so may result in hearing loss or injury.

### ⚠ WARNING!

These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and instructions may result in serious potential injury, including blindness or death.** For proper use, selection, and applications against flying particles, optical radiation and/or splash see supervisor, read *User Instructions* and warnings on the package or call 3M PSD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414.



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