

3M Occupational Health and Environmental Safety Division
Products and Services for Worker Safety



Solutions for Worker Safety

*3M Respirators and Hearing Protection Products –
Exclusive NASCAR Officially Licensed Products

3M.com/OccSafety/WorkerSafety

Helping to protect your health with reliable,
comfortable products and technical support.



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3M

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3M™ Filtering Facepiece Respirators



Features

From foundries to wood working, workers in many industries require protection from airborne particles and mists. Sweeping, sanding, grinding, sawing, bagging, welding – each creates a unique set of conditions, especially given environmental considerations such as heat and humidity. 3M's wide selection of filtering facepiece respirators helps you match the respirator to your environment. 3M uses a variety of innovative technologies and features to help you meet your protection and comfort needs. They are all NIOSH 42 CFR 84 approved and include the following features:

- Lightweight and comfortable
- Adjustable noseclips
- Variety of strap types
- Variety of strap attachments
- Some available with carbon filter material for nuisance level relief¹
- Soft inner materials
- Compatible with most eye and hearing protection

Featured Technologies

Cool Flow™ Exhalation Valve. Patented one-way valve for easy exhalation and cool, dry comfort.

M-noseclip. Patented noseclip adjusts easily for fewer pressure points and greater comfort.

Faceseal. Soft and secure, conforms closely to face for additional comfort.

Advanced Electret Media. Patented filter media with electrostatically charged microfibers help make breathing easier and cooler.

Carbon filter material. Carbon Filter Media provides relief against odors, vapors and other gaseous contaminants for greater wearer comfort. For nuisance level relief only.¹

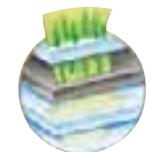
Cake-resistant filter media. Patented filter media with specifically designed filter layers for welding applications provide longer respirator life and easier breathing.

Welding Web. Unique filter media incorporating protective layers designed to be flame resistant as demonstrated per ASTM D2859-96. (Not a substitute for a faceshield.)

Adjustable buckle straps. A single tug helps provide a comfortable, secure fit.

P-series filter. Patented Advanced Electret Media, appropriate for prolonged use in both oil and non-oil containing environments.

(These featured technologies icons refer to products on pages 3-6).



¹3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against gases or vapors.

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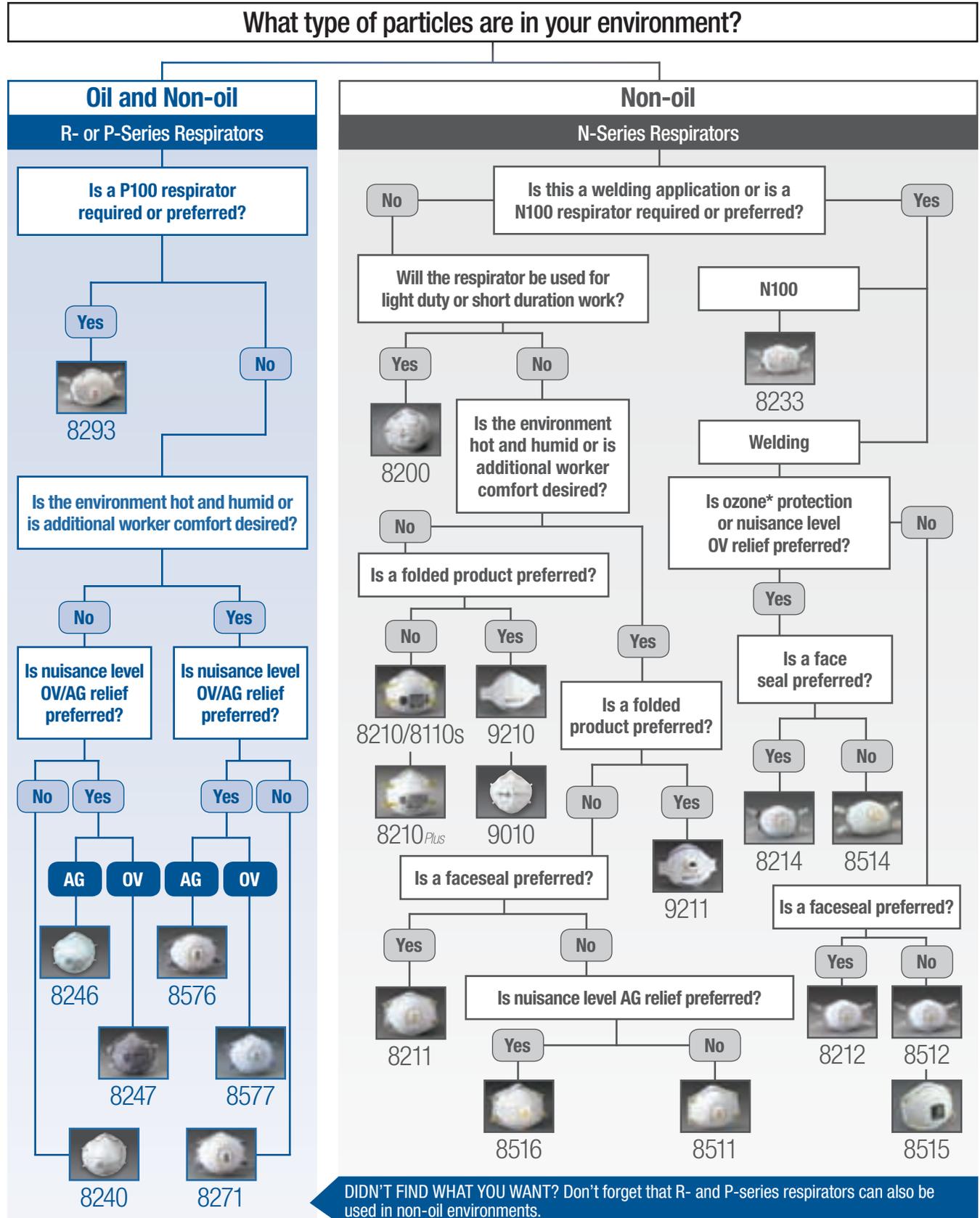
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Product Preference Selector

Use the selector below to identify which respirator may be preferred for increased worker comfort.



*3M recommended for ozone protection up to 10X OSHA PEL. Not NIOSH approved for ozone.

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3M™ Filtering Facepiece Respirators – Comfort

Suggested Applications: Sweeping, sanding, grinding, sawing, bagging in a non-oil environment



Unvalved N95 Respirators



8210 (N95) (AAD#37021)

A breakthrough in comfort and convenience. This three-panel respirator with innovative design helps provide comfortable, reliable worker protection against non-oil based particles.

Individually packaged



8210Plus (N95) (AAD#07048)

Builds on all of the features that have made the 8210 one of the most widely used N95s in industry. The PLUS offers comfortable braided headbands and staple free attachment.



8200 (N95) (AAD#07023)

Designed to help provide reliable protection against certain non-oil based particles. Low priced N95 that features

Advanced Electret Media, adjustable noseclip and nose foam to help provide a custom fit and secure seal.



8210 (N95)

Features Advanced Electret Media (AEM), welded strap attachment, soft nose foam and adjustable noseclip to

help provide a custom fit and secure seal.



Flags denote country of manufacture, however all products may include globally sourced components. Contact 3M for more details.



8110S (N95)

Is designed for people with smaller faces. It helps provide worker protection against certain non-oil based particles.

It is comfortable and easy to use which helps promote greater worker acceptance and increased wear time.



9010 (N95)

Designed to help provide quality, reliable worker protection against certain non-oil based particles in a convenient, flat

fold design. Each respirator is individually packaged to offer convenient storage and portability. Two strap design with a conformable nose clip and Advanced Electret Media help make breathing easier and cooler.

Individually packaged



Important

All 3M™ Filtering Facepieces are NIOSH approved respirators. Before using, you must determine the following:

1. The types of contaminants for which the respirator is being selected and exposure time.
2. The concentration level of the contaminant(s). Do not use for particle concentrations that exceed 10 times the OSHA PEL or applicable occupational exposure limit, whichever is lower.
3. Whether the respirator can be properly fitted to the wearer's face. Do not use with beards, or other conditions that prevent a good seal between the face and the sealing surface of the respirator.
4. Before required use of filtering facepiece respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134 including medical evaluation, training, and fit testing.

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3M™ Filtering Facepiece Respirators – Comfort Plus

Suggested Applications: Grinding, bagging, sanding, sweeping, extended wear time, hot/humid conditions and other dusty operations

Comfort Plus respirators all feature the patented 3M™ Cool Flow™ Exhalation Valve.

N95 Respirators



8511 (N95)  (AAD#07185)

Is uniquely designed to help provide protection against certain non-oil based particles. It is ideally suited for work settings that involve heat, humidity, or long periods of wear.



8211 (N95) 

This respirator offers all the great features of the 3M™ Particulate Respirator 8511, plus a comfortable foam face seal. Is uniquely designed to help provide protection

against certain non-oil based particles.

Additional Applications: Cement, lime, textile, buffing



9211 (N95)  (AAD#37022)

This three-panel respirator with innovative design is ideally suited for work settings that involve heat,

humidity, or long periods of wear.

Individually packaged



100 Class Respirators

Ideal for certain OSHA substance specific contaminants including lead, MDA, arsenic, cadmium (excluding asbestos); additionally for welding, pharmaceutical manufacturing



8293 (P100) 

Is well suited for those who want NIOSHs highest rated filtration efficiency in a maintenance free respirator. It

provides a minimum filter efficiency of 99.97% against oil based particles.

Individually packaged



8233 (N100) 

Is well suited for those who want NIOSHs highest rated filtration efficiency in a maintenance free respirator. It

provides a minimum filter efficiency of 99.97% against non-oil based particles.

Individually packaged



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3M™ Filtering Facepiece Respirators – Welding

Suggested Applications: Welding, torch cutting, brazing, soldering

Welding respirators all feature the patented 3M™ Cool Flow™ Exhalation Valve.

Welding and Metal Pouring



8214 (N95) (AAD#07187)

Is designed for applications such as welding, soldering and other operations where metal fumes may

be present including those with ozone* and nuisance level organic vapors.**

Additional Applications: Metal pouring, working with stainless, galvanized, or aluminium



8514 (N95)

Is designed for applications such as welding, soldering and other operations where metal fumes are

present including those with ozone* and nuisance level organic vapors.**

Additional Applications: Metal pouring, working with stainless, galvanized, or aluminium



8515 (N95) (AAD#07189)

An economical option for welders featuring the 3M™ Cool Flow™ Exhalation Valve, adjustable M-noseclip,

and braided headband to help provide a custom fit and secure seal.



*3M recommended for ozone protection up to 10X OSHA PEL. Not NIOSH approved for ozone.

**3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against gases or vapors.



8212 (N95)

Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, a comfortable foam face seal and

fully adjustable straps.

Additional Applications: Metal pouring



8512 (N95)

Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, nose foam, and fully adjustable

noseclip and straps.

Additional Applications: Metal pouring



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3M™ Filtering Facepiece Respirators – Specialty

Suggested Applications: Grinding, bagging, sanding, sweeping in oil and non-oil environments and other dusty operations

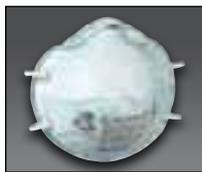
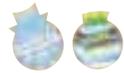
Unvalved Specialty Respirators



8247 (R95)  (AAD#07186)

Is designed to help provide comfortable protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors*, such as solvents, degreasers, and resins.

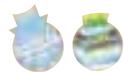
Additional Applications: Foundry operations, lab settings, agriculture, petrochemical manufacturing and undercoating where particles and nuisance levels* of organic vapors may be present



8246 (R95) 

Helps provide protection against certain oil and non-oil based particles including those present with nuisance levels of acid gases* such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

Additional Applications: Glass etching, chemical processing, paper processing, aluminum smelting and brewing operations where particles and nuisance levels of acid gases* may be present



8240 (R95) 

Is designed to help provide protection against certain oil and non-oil based particles. It features a collapse resistant shell for increased durability in most hot, humid conditions.

Additional Applications: Grinding, sanding, sweeping, machining and other dust producing/oily operations



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Valved Specialty Respirators

Features the patented 3M™ Cool Flow™ Exhalation Valve. Suggested for extended wear time, hot/humid conditions



8577 (P95) 

Is designed to help provide comfortable, reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors* such as solvents, degreasers and resins.

Additional Applications: Foundry operation, lab settings, agricultural, petrochemical, manufacturing



8576 (P95) 

Is designed to provide comfortable, reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of acid gases* such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

Additional Applications: Glass etching, chemical processing, paper processing, aluminum smelting and brewing operations



8271 (P95) 

Combines P-series versatility with exceptional comfort and fit. It is an excellent choice for those who have work environments that may contain oil aerosols.



8516 (N95) 

Is designed for the aluminum industry. It helps provide protection against certain non-oil based particles including those present with nuisance levels of acid gases* such as sulphur dioxide, hydrogen fluoride, and/or chlorine.



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3M™ Half Facepiece Respirators 5000 Series



The innovative design of 3M™ Half Facepiece Disposable Respirators 5000 Series makes them an easy, economical way to help provide worker protection. A lightweight, well-balanced design provides greater worker comfort. These respirators are pre-assembled, have no spare parts and require no maintenance.

The 5000 Series maintenance-free respirators are ideal for safety applications where respirators are only used occasionally or where disposability is required.

Features

- Available in three sizes (small, medium, large) to fit many faces.
- No ongoing maintenance necessary—saves both time and money.
- Resealable storage bag helps keep respirator clean between uses.
- Low profile design provides wider field of vision and greater comfort while wearing goggles or glasses.
- Can be used with NIOSH-approved 3M™ Filters N95, P95 and P100 for oil and non-oil particles.
- For convenience and simplicity, some respirator package assemblies are packaged with 3M™ Filters P95 along with 3M™ Filter Retainers 501.

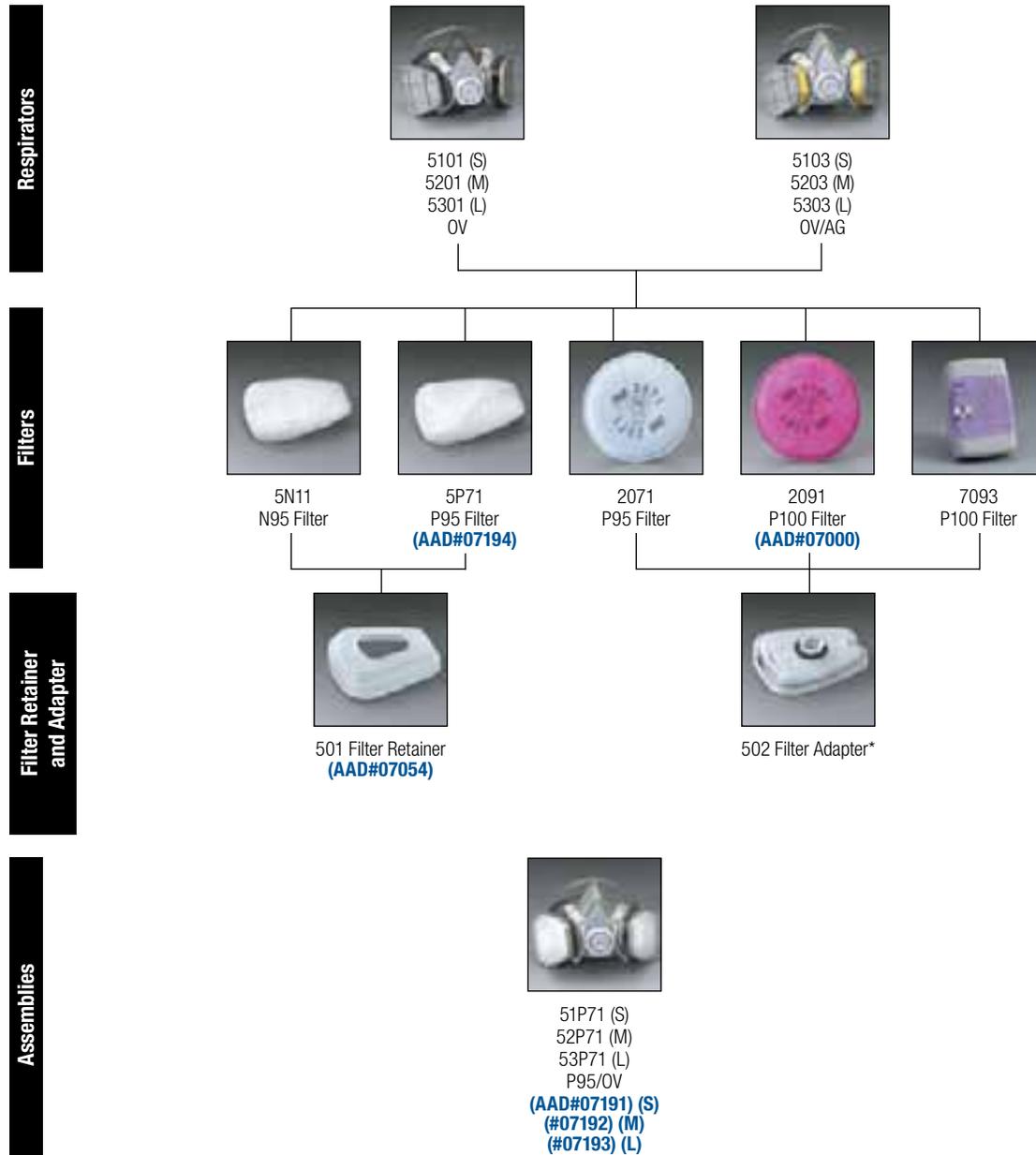
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3M™ Half Facepiece Respirators 5000 Series – Product Matrix



OV = NIOSH approval: Certain organic vapors.
 OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride.
 P95/OV = NIOSH approval: P95/certain organic vapors.

*Do not reuse.

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3M™ Half and Full Facepiece Respirators 6000, 7000 and FF-400 Series



The 3M™ Half and Full Facepiece Respirators 6000, 7000 and FF-400 Series use interchangeable filters and cartridges, minimizing the number of parts your facility needs to stock. They are versatile enough to meet your current and future respirator needs. These products offer unique benefits, without limiting wearer comfort. All are available in three sizes, making your respirator choice simple—3M!

3M™ Half Facepiece Respirators 6000 Series, Reusable Provides Lightweight, Easy-to-use, Economical Protection



- An economical choice.
- Facepiece is made from soft, lightweight thermoplastic elastomer.
- Available with a standard or drop-down head harness option.
- Drop-down model allows wearers to lower the respirator without removing welding shield, hard hat or faceshield.
- Head harness assembly and spare parts available.

3M™ Full Facepiece Respirators 6000 Series, Reusable



- Lightweight design with silicone face seal enhances comfort and improves durability.
- Wide field of vision.
- Available in four different modes; can be used with both negative and powered and supplied-air systems.

3M™ Half Facepiece Respirators 7500 Series, Reusable Provides Comfortable, Soft Silicone Face Seal



- Made of silicone for greater comfort and helps provide a softer feel on the face.
- 3M™ Cool Flow™ Exhalation Valve for easy exhalation for cool, dry comfort; and designed to be long lasting.
- Can be used with a variety of cartridges and filters that help protect against both dust and/or gas and vapor.

3M™ Ultimate FX Full Facepiece Respirator FF-400 Series, Engineered for Maximum Comfort, Durability and Visibility



- Soft, silicone nose cup and face seal.
- 3M™ Cool Flow™ Exhalation Valve for easier breathing and cool, dry comfort.
- Comfort Head Cradle positions the respirator more comfortably on the head, reducing pressure points and hair pulling.
- Long-lasting head harness.
- Large lens for excellent peripheral vision.
- Paint and stain-resistant lens – 3M's exclusive Scotchgard™ Coating causes some paints and stains to bead up on the surface so they can be wiped off easily.
- Scotchgard™ Semi-Permanent Lens Cover also causes some paints and stains to bead up and lasts longer than standard tear-aways.

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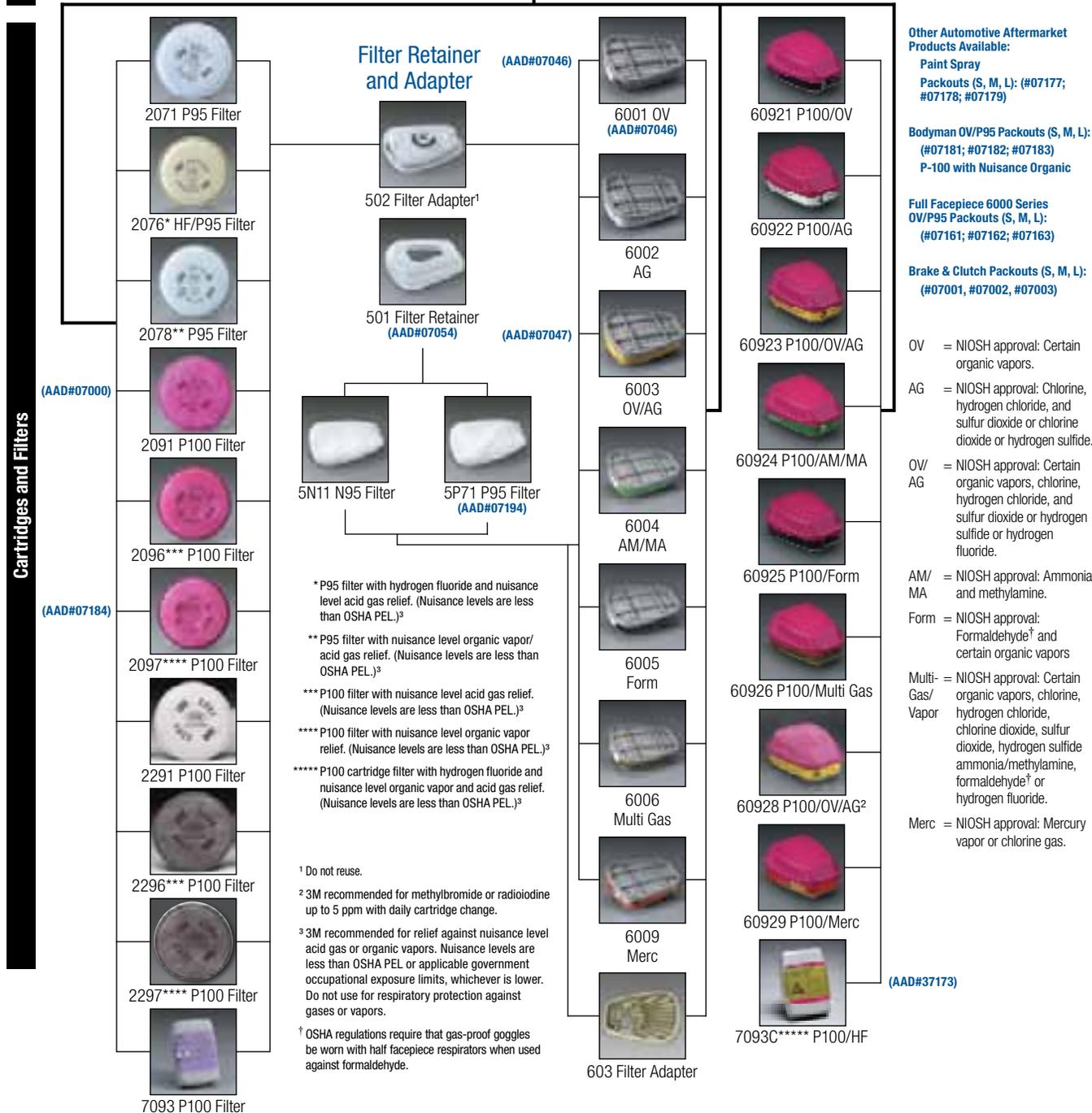
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3M™ Half and Full Facepiece Respirators 6000, 7000 and FF-400 Series — Product Matrix

Facepieces							
	6100 (S) (AAD#07024)	6100DD (S)	7501 (S) (AAD#37081)	6700 (S) (AAD#07138)	6700DIN (S)	FF-401 (S)	7800S (S)
	6200 (M) (AAD#07025)	6200DD (M)	7502 (M) (AAD#37082)	6800 (M) (AAD#07139)	6800DIN (M)	FF-402 (M)	7800S (M)
	6300 (L) (AAD#07026)	6300DD (L)	7503 (L) (AAD#37083)	6900 (L) (AAD#07140)	6900DIN (L)	FF-403 (L)	7800S (L)



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3M™ Detection and Environmental Products

3M™ Personal Air Monitoring Systems



Features

- **Simple and convenient.** There are no batteries, hoses, pumps, or equipment to calibrate.
- **Easy to use.** Just clip the monitor to shirt lapel, collar, or pocket.
- **Versatile.** 3M monitors can also be used for area monitoring, if sufficient air flow exists.
- **Analysis options.** 3M monitors can be analyzed in the certified/ accredited lab of your choice or returned for analysis.
- **Confidence.** The analysis facility is accredited by the American Industrial Hygiene Association.
- **Comfort.** 3M monitors are small and lightweight and will not interfere with employee activities.

The Economical, Accurate Way to Monitor Your Workplace

3M™ Air Monitors are simple and effective devices that collect certain airborne contaminants using the scientific principle of diffusion. They meet or exceed $\pm 25\%$ accuracy at a 95% confidence level for many workplace contaminants.

These air monitor systems can be analyzed in the lab of your choice or purchased with analysis included.

3M™ Thermal Imaging Camera FF131



Designed for firefighting and rescue operations, the 3M™ Thermal Imaging Camera FF131 offers

excellent resolution, fast refresh rate, wide dynamic range, exclusive display options.

- Four display options: Full Color, Grayscale, InfoTherm, and Autumn
- Radiometry
- Optional internal transmitter



Organic Vapor Monitors
3500, 3510*
(AAD#37023)



Organic Vapor Monitors With Back-Up Section
3520, 3530*



Ethylene Oxide Monitors
3550*, 3551,
3551B



Formaldehyde Monitors
3720*, 3721,
3721B

*Includes pre-paid analysis.

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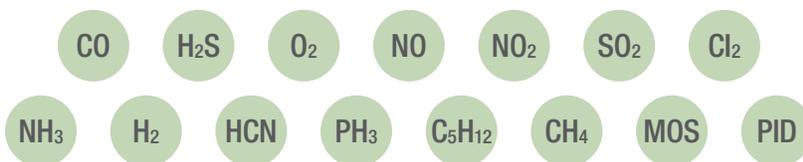
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3M™ Portable Gas Detection Products



Your number one priority on the job is the safety of your team, and that means you need safety equipment that is reliable and accurate. We build our detection and monitoring products to be among the best in the industry. Combined with our dedication to technical support, 3M works every day to be the most innovative health and safety product and service provider in the world.



3M™ Multi-Gas Detector 950 Series

- Detect up to 5 gases simultaneously
- 15 smart sensor options, including a PID and MOS broadband sensor
- Massive data-logging capacity
- Easy-to-use 3M™ Know Your Air software with intuitive user interface
- Internal pump



740 Model

3M™ Multi-Gas Detector 740 Series

- Detect up to 4 gases simultaneously
- Massive data-logging capacity
- Quick calibration mode
- Easy-to-replace pre-calibrated smart sensor pack with end-of-life indicator
- Runs on rechargeable lithium ion batteries or alkaline batteries
- Three alarm indicators



3M™ Single Gas Detector 450 Series

- 10 gas sensor options
- Easy operation with the push of a button
- Simple, informative display
- Easy to calibrate



3M™ Single Gas Detector 110 Series

- Lightweight and compact
- Easy one-button operation
- Long-lasting lithium battery
- Three alarm indicators

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3M™ Fixed Gas Detection Products



Some applications may require the installation of a fixed gas detector as early warning devices integrated with alarm systems, ventilation control or leak detection. 3M manufactures a wide variety of fixed gas detection products for residential, commercial and light industrial applications. Following is a partial list of available fixed gas detectors.

CM-21A



CM-21A Fan relay actuation is selectable at 25ppm, 35ppm (default), 50ppm or 100ppm CO within 5 minutes and the Alarm relay is selectable at normally open or normally closed and responds at 100ppm CO within 3 hours or 200ppm CO within 10 minutes.

Stand-alone carbon monoxide detection and fan control system are for use in enclosed parking and warehouses.

- Status LED's
- 12-24 VAC or VDC operation
- Dual relays: fan and alarm

HD-11/HD-12



Hydrogen gas detector for use with alarm control panels.

- 12-24 VAC or VDC operation
- One alarm relay for 10% LEL (HD-11 model)
- Two alarm relays for 10% and 25% LEL (HD-12 model)

CM-E1



UL listed carbon monoxide gas detector for use with fire and security alarm systems.

- 9-32 VAC operation
- Alarm relay
- Trouble relay
- Patented EZ-Check technology for quick and convenient on-site field CO testing

DVP-120



Gas detection and ventilation control panel with externally visible LCD display showing the status of each sensor transducer and relay. The DVP-120 works with CM-4, CM-2B or CM-3 Carbon Monoxide

detectors or ND-2 Nitrogen Dioxide detector or GT-11A.

- 120 VAC Operation
- Adjustable alarm setting and time delays
- Accepts 4-20mA input from up to 12 CO, NO₂, or LEL gas sensors
- Three 16 Amp, 240 VAC SPDT fan/alarm settings
- Lockable NEMA 1 type enclosure

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Powered and Supplied Air Respirators

3M™ Powered Air Purifying Respirators (PAPRs)



A PAPR is a powered air purifying respirator system that uses a fan to deliver filtered air into a hood, helmet or full facepiece. There are many different PAPR configurations available. Depending on the working environment, select the PAPR style that best meets your needs.

Depending on the headgear chosen, certain powered air systems also provide head, eye and face protection. Powered air systems are available as face-mounted, helmet-mounted and belt-mounted configurations. PAPR systems include a headpiece, a breathing tube, motor-blower unit, filters, and/or a cartridge and battery.

3M™ Supplied Air Respirators



3M™ Supplied Air Respirators are designed to deliver clean air to the worker.

The air* can be supplied from a high pressure compressor, low-pressure pumps, or cylinders (bottled air). This clean, breathable air can be delivered to hoods, helmets, full facepieces, half facepieces and loose-fitting facepieces.

Supplied air respirators offer many features over traditional respiratory protection such as:

- Cooling or heating incoming air
- Fit testing only required on tight-fitting facepieces
- Low maintenance

Supplied air systems are a good way to help increase comfort and protection.

For an overview of headgear used with powered and supplied air respirators, review pages 15-16 of this catalog.

*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

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3M™ Powered and Supplied Air Headgear



Powered and Supplied Air Respirator System Categories

The photos and descriptions below are an overview of the different headgear systems that 3M offers. Each has distinct features to meet your needs. Find the unit that best matches your requirements and review the charts on the following pages to help guide your selection process.

3M™ Bumpcaps, Hard hats and Helmets

- Welding option of each category available
- Can be worn with glasses
- No fit testing required
- Lifiable lens
- Ratchet head suspension on most models
- Assigned protection factor* for Bumpcaps and Hard hat: 25xPEL; for Helmets: 1000xPEL** (when configured with an Adflo™, only an APF of 25)
- Accommodates facial hair and beards***



L-Series

- Bumpcap, hard hat and helmet category products
- Welding option
- See matrix pages 19, 26



BE-Series

- Hard hat protection
- Welding option
- See matrix pages 20, 21, 22



W-8100B

- Abrasive blasting helmet
- See matrix pages 26, 27



Tight-Fitting Facepieces

- Full facepiece products available in three sizes

- Low profile for good visibility
- Use in negative or positive pressure applications
- Comfortable face seals
- Half facepiece options available with supplied air systems
- Welding option available
- See matrix pages 19, 21, 22, 25 and 28



Headcovers and Visors

- Lightweight
- Tychem® QC material

- See pages 20-22 for BE-12 Series headcovers
- ClearVisor, see page 23



Hoods

- Hard hat options
- Lightweight

- Tychem® QC and Tychem® SL materials
- See pages 19, 26 and 27 for H-Series Hoods; see pages 20, 21 and 22 for BE-10 Series Hoods

* Refer to OSHA regulation 29CFR1910.134 Table 1 for details on APF values. For additional limitations of 3M respiratory protection products, refer to 3M respirator packaging and use instructions and limitations.

** 3M recommended assigned protection factors are based on workplace and laboratory performance tests of our respirators. See 3M Technical Data Bulletin # 175 "Assigned Protection Factors (APFs) for 3M Hoods and Helmets."

***Providing the facial hair does not come between the face and the face seal of a loose-fitting facepiece or protrude under the shroud of a hood.

WARNING! See warnings on inside back cover.

3M™ Powered and Supplied Air Headgear

	Can be worn with limited Facial Hair**	Meets ANSI Z87.1-2003 High Impact Standard	Meets ANSI Type I and II Hard hat requirements ANSI Z87.1-2003	For Welding	For Grinding	Works with the Following 3M Assemblies					Protection Factor
						GVP Assembly	Air-Mate™ Assembly	Breathe Easy™ Assembly	Adflo™ Assembly	Supplied Air	
Headtop											
L-501	✓	✓			✓	✓				✓	25
L-503	✓	✓		✓		✓				✓	25
L-505	✓	✓		✓	✓	✓				✓	25
L-701	✓	✓	✓		✓	✓				✓	25
L-703	✓	✓	✓	✓		✓				✓	25
L-705	✓	✓	✓	✓	✓	✓				✓	25
L-705 SG	✓	✓	✓	✓	✓	✓			✓	✓	25
L-901	✓	✓	✓		✓	✓				✓	1000
L-901 SG*	✓	✓	✓		✓	✓			✓	✓	1000
L-905	✓	✓	✓	✓	✓	✓				✓	1000
L-905 SG*	✓	✓	✓	✓	✓	✓			✓	✓	1000
W-8100B	✓	✓	✓		✓					✓	1000
520-02-28R01	✓	✓	✓		✓				✓		25
520-01-83R01	✓	✓	✓						✓		25
520-01-84R01	✓	✓	✓	✓					✓		25
6000 Full Facepiece		✓			✓	✓			✓		1000
7000 Full Facepiece		✓		✓	✓	✓				✓	1000
ClearVisor Faceshield		✓			✓				✓		25
Speedglas™ Helmet 9000 HWR									✓		25

	Can be worn with limited Facial Hair**	Meets ANSI Faceshield Requirements ANSI Z87.1-2003	Meets ANSI Type I and II Hard hat Requirements ANSI Z87.1-2003	Inner Shroud Option	Collar Option	Chemical Resistant	Built-in Suspension	Works with the Following 3M Assemblies					Protection Factor
								GVP Assembly	Air-Mate™ Assembly	Breathe Easy™ Assembly	Supplied Air		
Hoods													
BE-12/BE12L	✓						✓		✓	✓		25	
H-400 Series	✓		Optional	✓	✓			✓			✓	1000	
H-600 Series	✓		Optional		✓	✓		✓			✓	1000	
H-900 Series	✓		Optional	✓	✓			✓			✓	1000	
BE-10/BE-10L	✓			✓			✓		✓	✓	✓	1000	
BE-10 BR (Butyl Rubber)	✓			✓		✓	✓			✓		1000	

* APF of 25 when configured with Adflo™.

** Providing the facial hair does not come between the face and the faceseal of a loose-fitting facepiece or protrude under the shroud of a hood.

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⚠ WARNING! See warnings on inside back cover.

Before each use of the product, please inspect for any rips, damages, tears, etc.

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IMPORTANT: 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.

3M™ L-Series Spare Parts and Accessories

Part(s)	Part #	Description:	Notes:
Lens Cover	L-133	Disposable Lens Covers	Disposable lens covers help protect the visor from scratches and distortions. Replace as needed to insure proper visibility. Available in packs of 25 (L-133-25) or 100 (L-133-100).
Faceseals and Shrouds	L-121	Tychem® QC Faceseal	Faceseals insure that a proper seal is maintained with the wearer's face. Damaged or worn faceseals can cause leaks, which could decrease airflow, battery life, and increase the risk of exposure.
	L-123 ¹	Tychem® QC Shroud	
	L-124 ²	Flame Retardant Faceseal - Polyester	
	L-125 ³	Flame Retardant Shroud	
	L-128 ⁴	Cordura® Nylon Shroud	
	L-120	Faceseal, Flame Retardant - Softguard	
	L-227	Outer Shroud, Flame Retardant, Leather	
	L-225-2	Outer Shroud, Flame Retardant, Durable	
	L-226-2	Inner Shroud	
	L-223-2	Outer Shroud, Standard	
L-228-2	Outer Shroud, Nylon		
Lens Assembly	L-130	Wide-view Faceshield Assembly	
	L-131	Wide-view Lens	
	L-132	Wide-view Lens, High Temperature	For use in high temp environments, where there exists potential for warping of the lens.
	L-134	Latch Kit	Replace latches when missing or broken. Do not use unit if latches are defective.
	L-136	Cam Spring Set	Replace when faceshield will not stay in up or down position, or if the faceshield is loose in a closed position.
	L-137	Wide-view Faceshield Extender	Replace assembly when warped.
Head Suspension	L-112	Chin Strap	Accessory. Replace when worn or damaged.
	L-113	Head Suspension	Replace when bracket damaged or it will not tighten.
	L-115	Sweat Pad	Replace when dirty or when foam begins to degrade.
	L-116	Head Pad	Replace when dirty or damaged.
	L-117	Hanger Suspension	Replace when broken.
External Knobs	L-140	Knob	Replace when missing or broken.
	L-141	Knob and Pivot Kit	Replace when missing or broken.
Helmet and Head Seal	L-163	Head Seal Kit	Replace when dirty or damaged.
	L-182	Air Deflector	Replace when missing or broken.
	L-183	Headgear Cover	Prevents scratches and damage to the headtop.

¹ For L-901 series helmets only.

² Flame retardant faceseal for L-500 and L-700 series helmets.

³ Flame retardant shroud for L-900 series helmets only.

⁴ Cordura® Nylon fabric shroud for use with L-900 series only.

Proper use and maintenance of powered and supplied air systems is essential to product performance. Over time, parts and pieces will become worn or damaged, and they will require replacement. Operating equipment with damaged or worn parts can decrease the unit's ability to protect, decrease airflow, and could result in serious personal injury or death.

⚠ WARNING! See warnings on inside back cover.

3M™ Hoods and Headgear Parts and Accessories

3M™ H-Series Replacement Hoods and Parts		Replace when/if...
H-110-10	Faceshield Cover (10 pack)	
H-111-100	Faceshield Cover (100 pack)	
H-113-2	Cap Suspension (2 pack)	Worn or damaged
W-2878-2	Head Suspension (2 pack)	Worn or damaged
H-114-2	Chin Strap (2 pack)	Worn or damaged
H-115	Breathing Tube Assembly (includes H-116 breathing tube with connector, W-5102 thumbscrew clamp, and W-3222 plastic squeeze clamp)	When abraded, cracked or damaged
H-116-2	Breathing Tube (2 pack)	
H-410-10	H-400 Series Hood with collar (10 pack)	
H-420-10	H-400 Series Hood with inner shroud (10 pack)	
H-610-5	H-600 Series Sealed Seam Hood with collar (5 pack)	
W-3222-2	Squeeze Clamp, plastic (2 pack)	When worn or damaged
W-3258-5	Hatshell (suspension not included) (5 pack)	

3M™ BE-Series Replacement Hoods and Parts		Replace when/if...
520-01-13R01	White Helmet Shell	Cracked, warped, yellowed, chipped
520-01-33R01	Black Helmet Shell	Cracked, warped, chipped, faded color
061-37-00R02	Pivot and Cam	Missing, broken
AS170/AS170B	Visor Surround	Cracked, warped, broken
522-01-01R01	Visor	Cracked, warped, crazed
060-49-02R10	Temple Seal	Out of position, damaged
060-28-03R01	Headseal	Missing, torn, ripped, warped
527-01-19R01	Faceseal – Sontara	Missing, torn, holed, ripped
527-01-15R10	Faceseal – Tychem®	Missing, torn, holed, ripped
AS-150	Cradle Assembly	Broken, torn
060-38-05R01	Headband	Broken, torn
060-39-01R01	Comfort Band	Heavily soiled, missing

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Before each use of the product, please inspect for any rips, damages, tears, etc.

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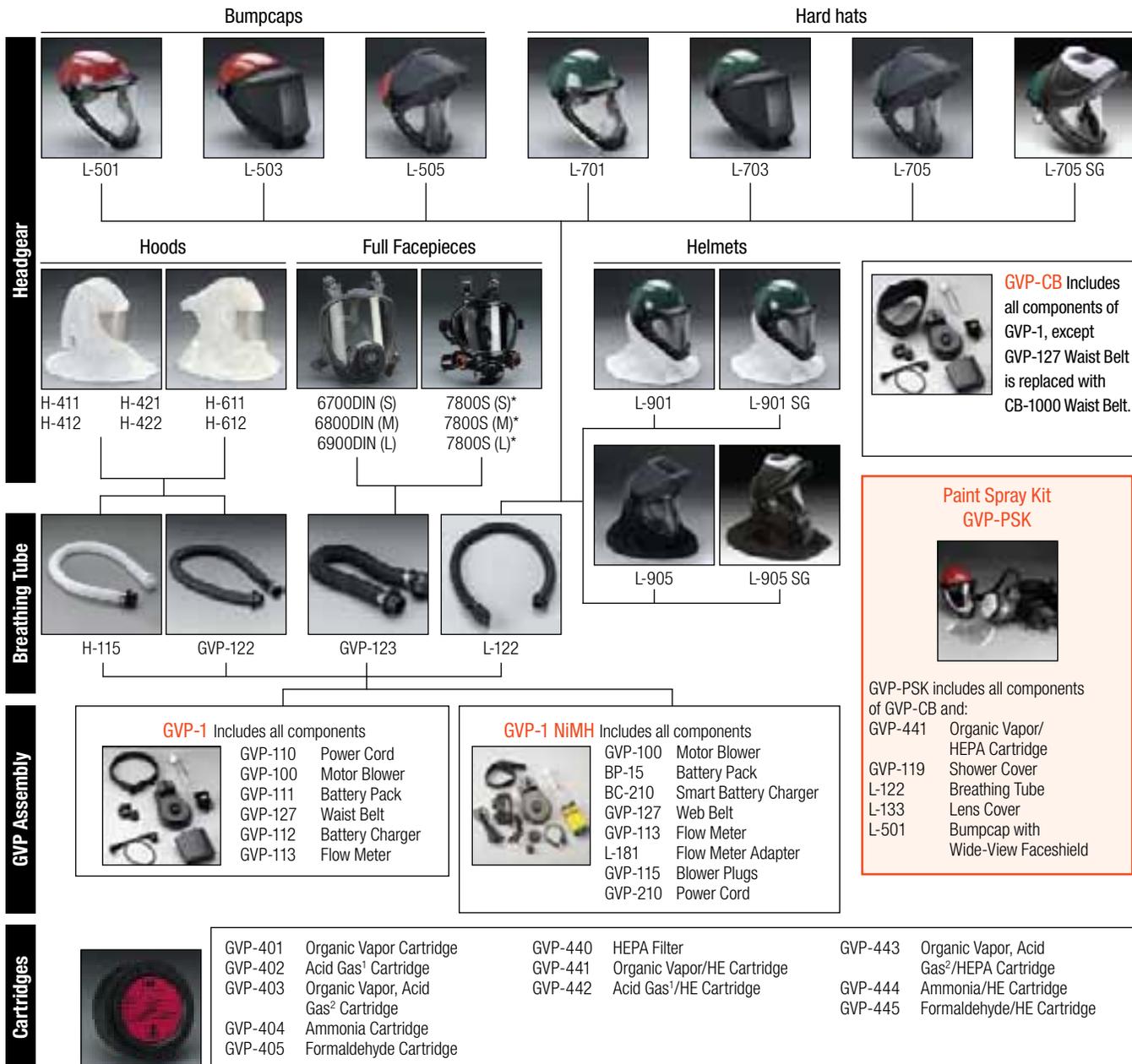
IMPORTANT: All 3M Safety Products in this catalog must be used in accordance with OSHA regulations and the *User Instructions*, warnings and limitations accompanying each product.

3M™ GVP-Series Belt-Mounted Powered Air Purifying Respirators — Product Matrix

The GVP PAPR is a motorized blower unit worn at the waist, that delivers filtered air into a hood, helmet or facepiece. The GVP allows the wearer to choose from a wide selection of filters that offer flexibility and freedom to work in a variety of industrial environments. These systems are compatible with many different styles of headgear ranging from lightweight hoods, bumpcaps, hard hats, helmets and full facepiece respirators.

Features

- High levels of airflow
- Contoured for maximum comfort
- 2 eight-hour battery options (NiMH and NiCD)
- All hoods and helmets are dual approved for use in SAR mode
- Intrinsically safe option available
- Inlet and outlet plugs to allow blower unit to be completely sealed for decontamination



*Clip-on Welding Shield also available.

OV = NIOSH approval: Certain organic vapors.

AG¹ = NIOSH approval: Chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide or hydrogen fluoride.

AG² = NIOSH approval: Chlorine, hydrogen chloride, sulfur dioxide, chlorine dioxide, hydrogen fluoride or hydrogen sulfide (escape only).

WARNING! See warnings on inside back cover.

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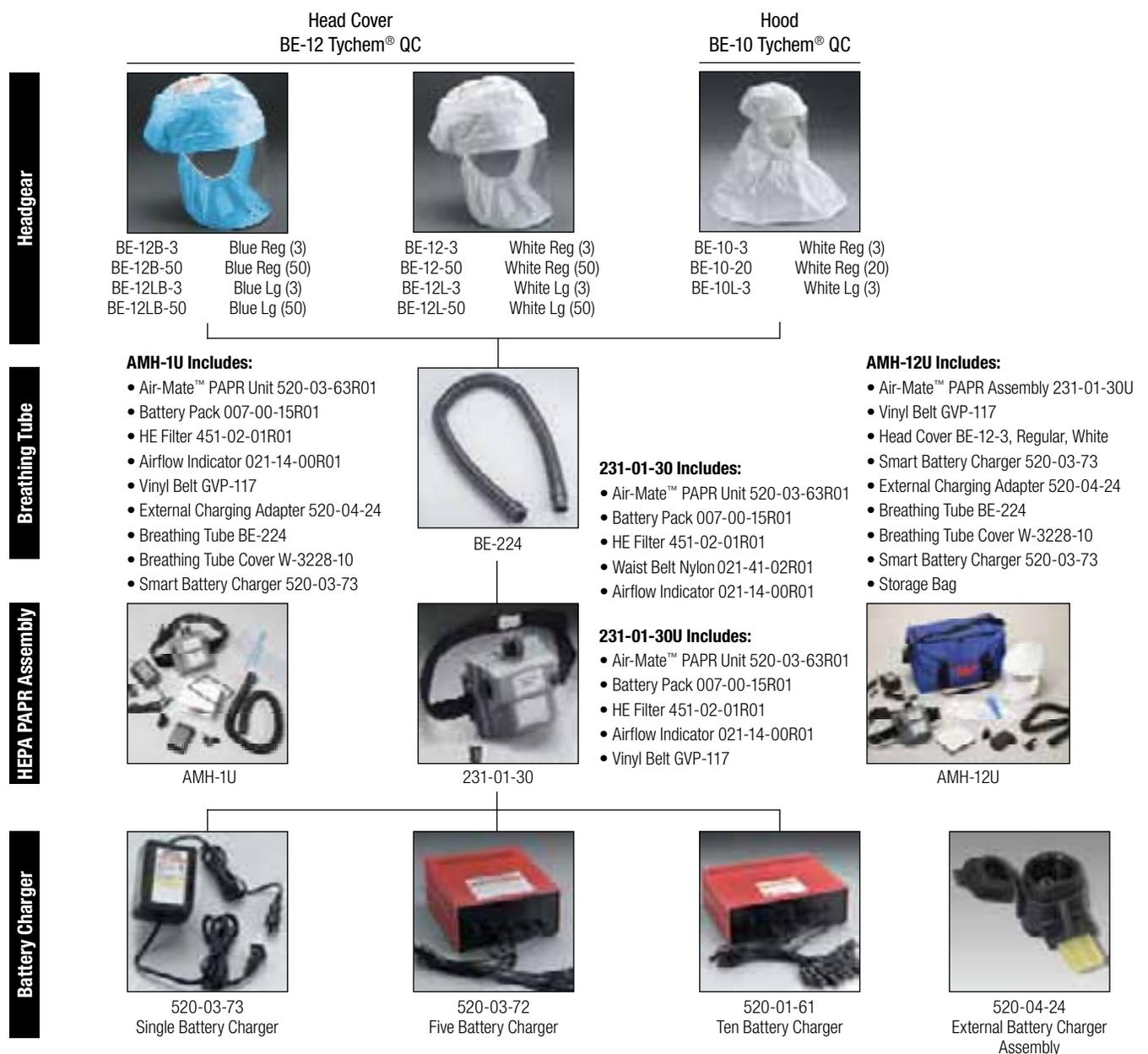
Before each use of the product, please inspect for any rips, damages, tears, etc.

IMPORTANT: 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.

3M™ Air-Mate™ or High Efficiency (HE) Belt-Mounted Powered Air Purifying Respirator Systems — Product Matrix

Features

- Lightweight
- Filter and battery are enclosed in single unit
- Up to eight hours of battery service per charge
- Choice of Tychem® QC hood or Tychem® QC head cover
- High efficiency particulate filter only
- Battery can be charged either within unit or externally using the 520-04-24 external battery charger assembly



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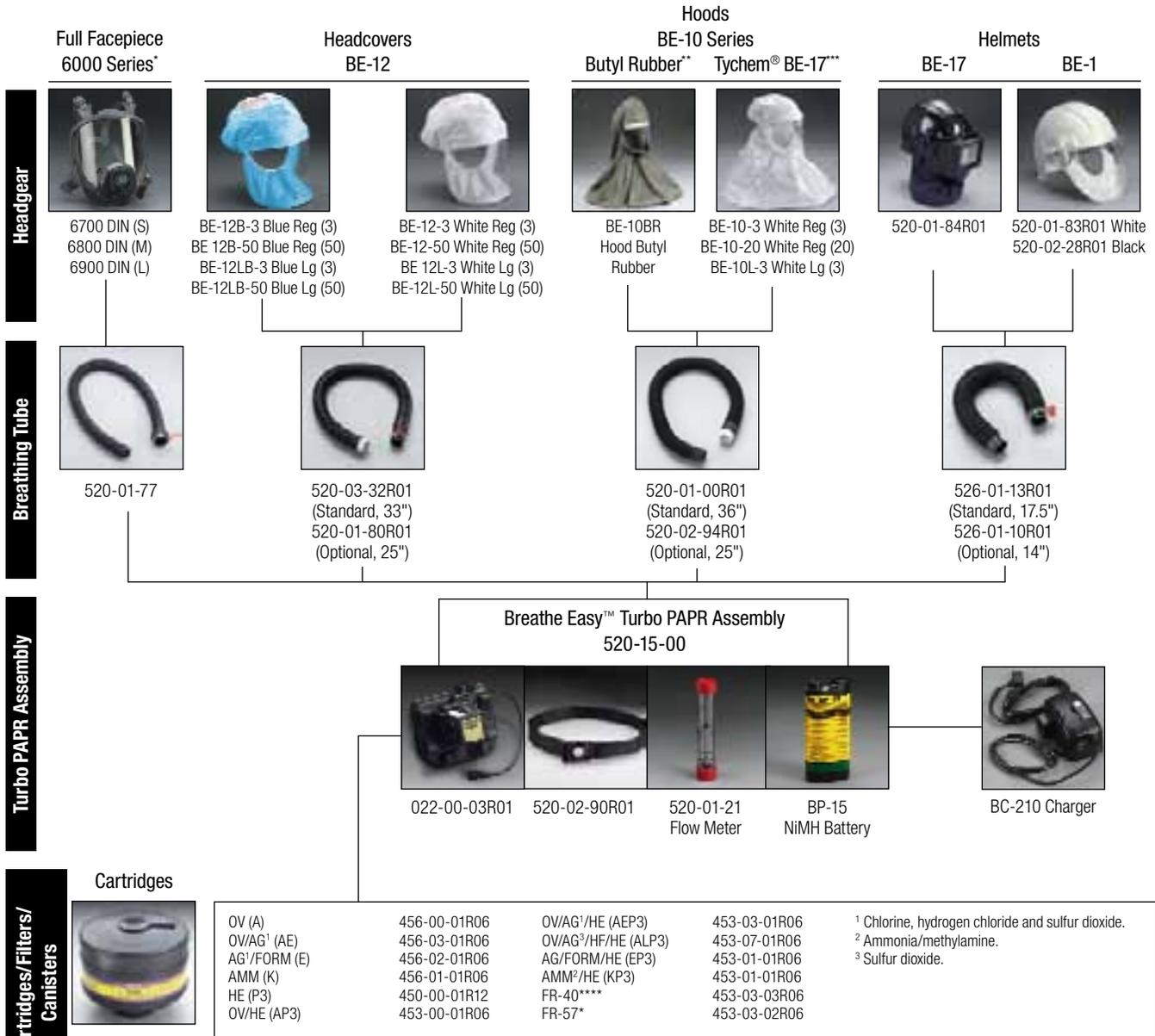
3M™ Breathe Easy™ Belt-Mounted System with NiMH BP-15 Battery — Product Matrix

Breathe Easy™ Powered Air Purifying Respirator (PAPR) Standard System 520-15-00

- Consider for the following industries: Abatement, Nuclear Utilities, Smelting, Lead Reclamation, Pharmaceutical, Foundry, Steel and Welding. First Responder – Butyl Rubber hood system only.
- Uses the new BP-15 NiMH Battery which has a quick charge time (90% charge after 2 hours; 100% charge after 4 hours) and provides increased airflow (approximately 20% more).

Features

- Eight hour battery
- Comfortable to wear
- Wide variety of headgear



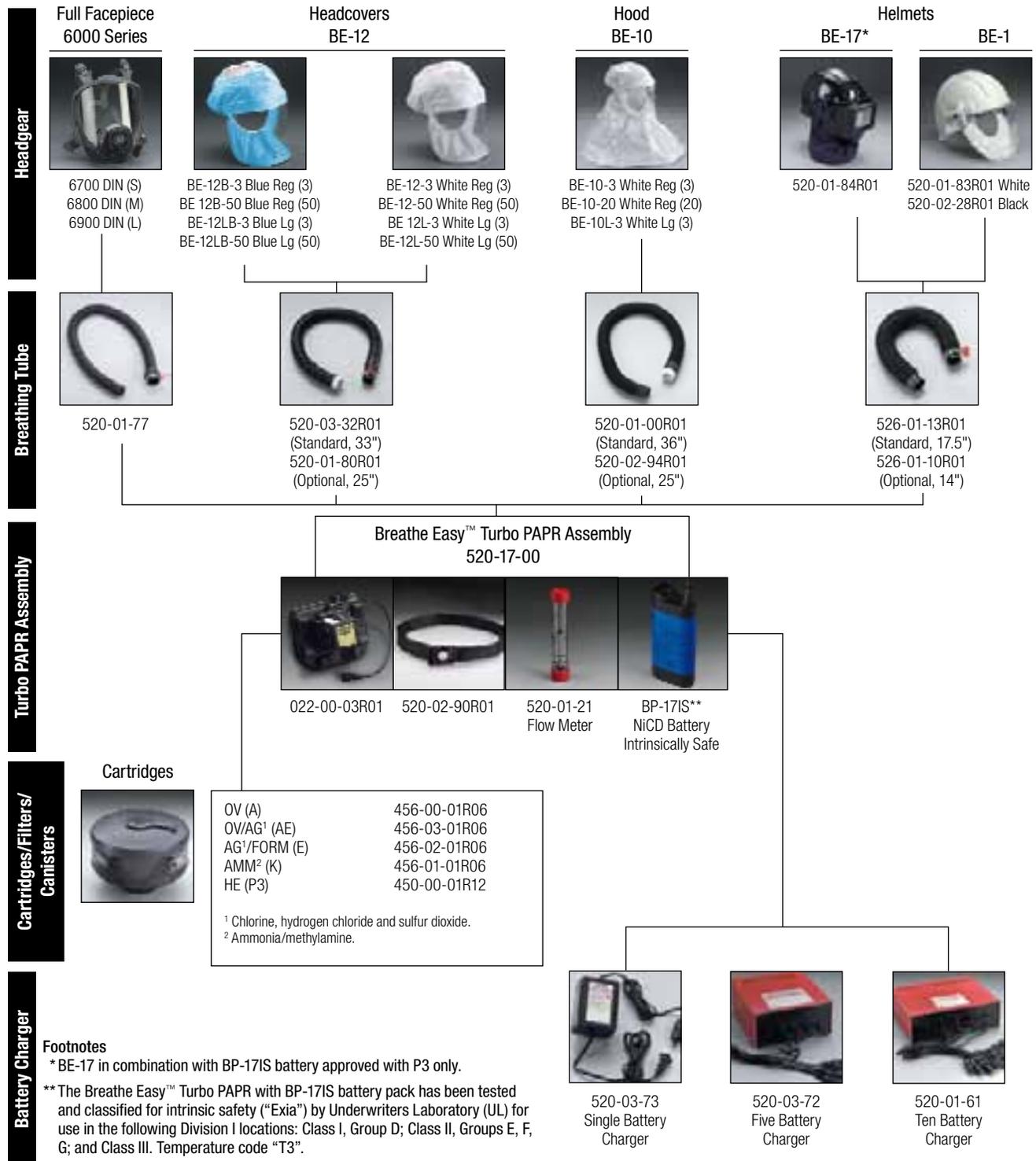
Footnotes
 *FR-57 Approved with BE-10 and 6000 ONLY
 **Butyl Rubber Hood Approved with FR-57, AP3 and AEP3 ONLY
 ***BE-17 Approved with P3, AP3, AEP3, ALP3 and EP3
 ****FR-40 Approved with 6000 ONLY

⚠ WARNING! See warnings on inside back cover.

3M™ Breathe Easy™ Belt-Mounted PAPR System with BP-17IS NiCD Battery (Intrinsically Safe)** — Product Matrix

Features

- Consider for the following industries: Abatement, Nuclear Utilities, Smelting, Lead Reclamation, Pharmaceutical, Foundry and Steel, Welding.
- Can be used in environments where intrinsic safety** is needed.



Footnotes

* BE-17 in combination with BP-17IS battery approved with P3 only.

** The Breathe Easy™ Turbo PAPR with BP-17IS battery pack has been tested and classified for intrinsic safety ("Exia") by Underwriters Laboratory (UL) for use in the following Division I locations: Class I, Group D; Class II, Groups E, F, G; and Class III. Temperature code "T3".

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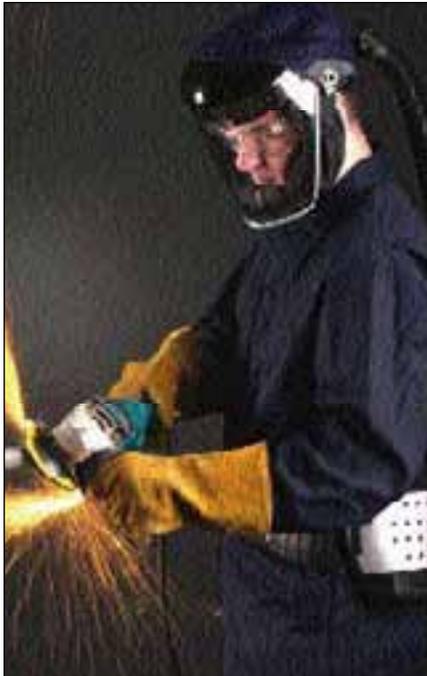
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3M™ ClearVisor with Adflo™ Systems PAPRs



3M™ ClearVisor with Adflo™ Systems

The ClearVisor with Adflo systems combine eye and face protection (ANSI Z87.1-2003) with a slim, lightweight, powered air purifying respirator (PAPR). For more information on the Adflo system, please see page 51.



The systems can be used in a variety of industrial settings, including woodworking, metal grinding, sanding and refinishing, foundries, grain* and flour processing, and other dusty environments.*

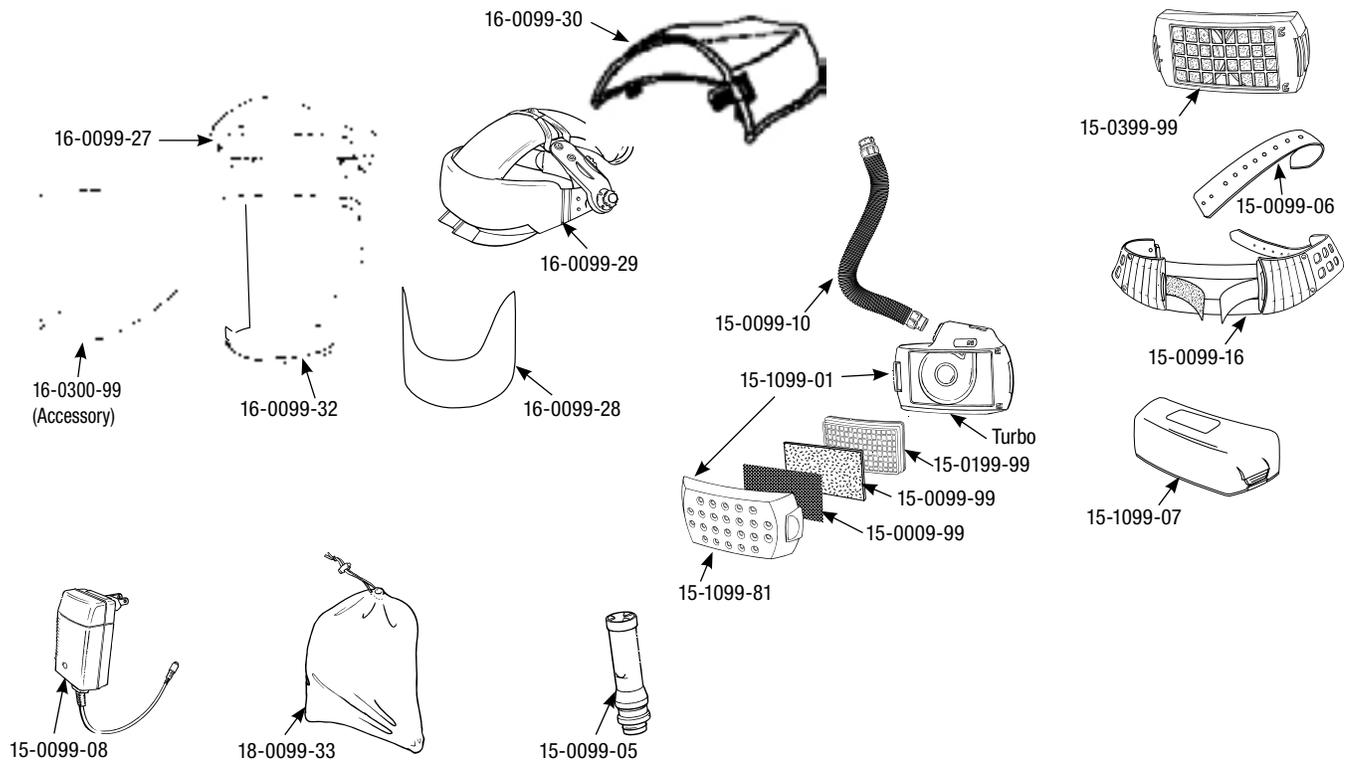
Part Numbers

Complete Systems

ClearVisor with Adflo™ HE Particle Filter System: 16-1101-40

OV/SD/CL/HC Cartridges are available for purchase: 15-0399-99

Parts and Accessories for 3M™ ClearVisor with Adflo™ Systems



*Not approved for explosive atmospheres or where intrinsic safety is required.

WARNING! See warnings on inside back cover.

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Before each use of the product, please inspect for any rips, damages, tears, etc.

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3M™ Airstream™ Helmet-Mounted Powered Air Purifying Respirators



Helmet-mounted PAPRs provide all the features of powered air purifying respirators: increased wearer comfort, no fit test requirements, compatibility with glasses and may help increase wearer productivity without the need to wear a motorized blower unit at the waist. The following systems are ideally suited for mining, smelting, foundry and metal working.



3M™ Airstream™ Helmet-Mounted PAPR AS-400LBC

- Eight-hour battery
- Intrinsically safe
- Lightweight and well-balanced
- High efficiency filter
- Hard hat approved
- Includes new higher airflow motor



3M™ Airstream™ Helmet-Mounted PAPR AS-600LBC

- Miner's model
- Eight-hour battery
- Intrinsically safe
- Lightweight and well-balanced
- High efficiency filter
- Hard hat approved
- Includes new higher airflow motor and anti-fog/anti-scratch lens

3M™ Face-Mounted PAPRs



3M™ Powerflow™ Face-Mounted Powered Air Purifying Respirator 6800 PF (Medium) and 6900 PF (Large)

Face-mounted PAPRs provide increased airflow and wearer comfort that may help improve productivity. The product is ideally designed for abatement and remediation work. Approved for use with high efficiency particulate filter only.

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Before each use of the product, please inspect for any rips, damages, tears, etc.

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IMPORTANT: 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.

3M™ Supplied Air Respirators — Product Matrix

3M™ Supplied Air Respirators are designed to deliver clean air to the worker. The air* can be supplied from a high pressure compressor, low-pressure pumps, or cylinders (bottled air).

Supplied air respirators offer many advantages over traditional respiratory protection including comfort and protection.

Features

- Fit testing only required on tight-fitting facepieces
- Can heat or cool supplied air by up to 50°F (28°C) when using loose-fitting headgear
- Low maintenance
- Loose-fitting headgear accommodates facial hair provided it is not interfering with the face seal

Dual Airline, Supplied-Air, Tight-Fitting Facepieces



6000 Series Full Facepiece (S, M, L) (AAD#: 07138; 07139; 07140)

6000 Series Half Facepiece (S, M, L) (AAD#: 07024; 07025; 07026)

Facepieces

Standard Kits

Combination Kits



Back-Mounted Adapter Kits
SA-2000 (High Pressure)
SA-2000LP (Low Pressure)

Front-Mounted Adapter Kits
SA-1000 (High Pressure)
SA-1000LP (Low Pressure)

Combination Back-Mounted Adapter Kits
SA-2100 (High Pressure)
SA-2100LP (Low Pressure)

Combination Front-Mounted Adapter Kits
SA-1100 (High Pressure)
SA-1100LP (Low Pressure)

Adapter Kits



W-9435
3/8" High Pressure Hose
(25, 50, or 100 ft.)
25 ft. (#07010)
50 ft. (#07011)
100 ft. (#07012)



W-2929
3/8" High Pressure Hose
(25, 50, or 100 ft.)



W-3020
1/2" Low Pressure Hose
(25, 50, or 100 ft.)
25 ft. (#07033)
50 ft. (#07034)
100 ft. (#07035)

Supplied Air Hose



256-02-00
(50 cfm) with CO Filtration and Monitor



256-02-01
(100 cfm) with CO Monitor



W-2806
(50 cfm) without CO Monitor
(#07006)



Note: W-2808
CO Monitor Retrofit Kit Available
(#37027)

Portable Air Purification Panels

* It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

** Clip-on 3M™ Welding Shield also available.

WARNING! See warnings on inside back cover.

3M Automotive Aftermarket Division (AAD) Product Numbers are found in parentheses on select products.

Before each use of the product, please inspect for any rips, damages, tears, etc.

3M™ Supplied Air* Respirators — Product Matrix



*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

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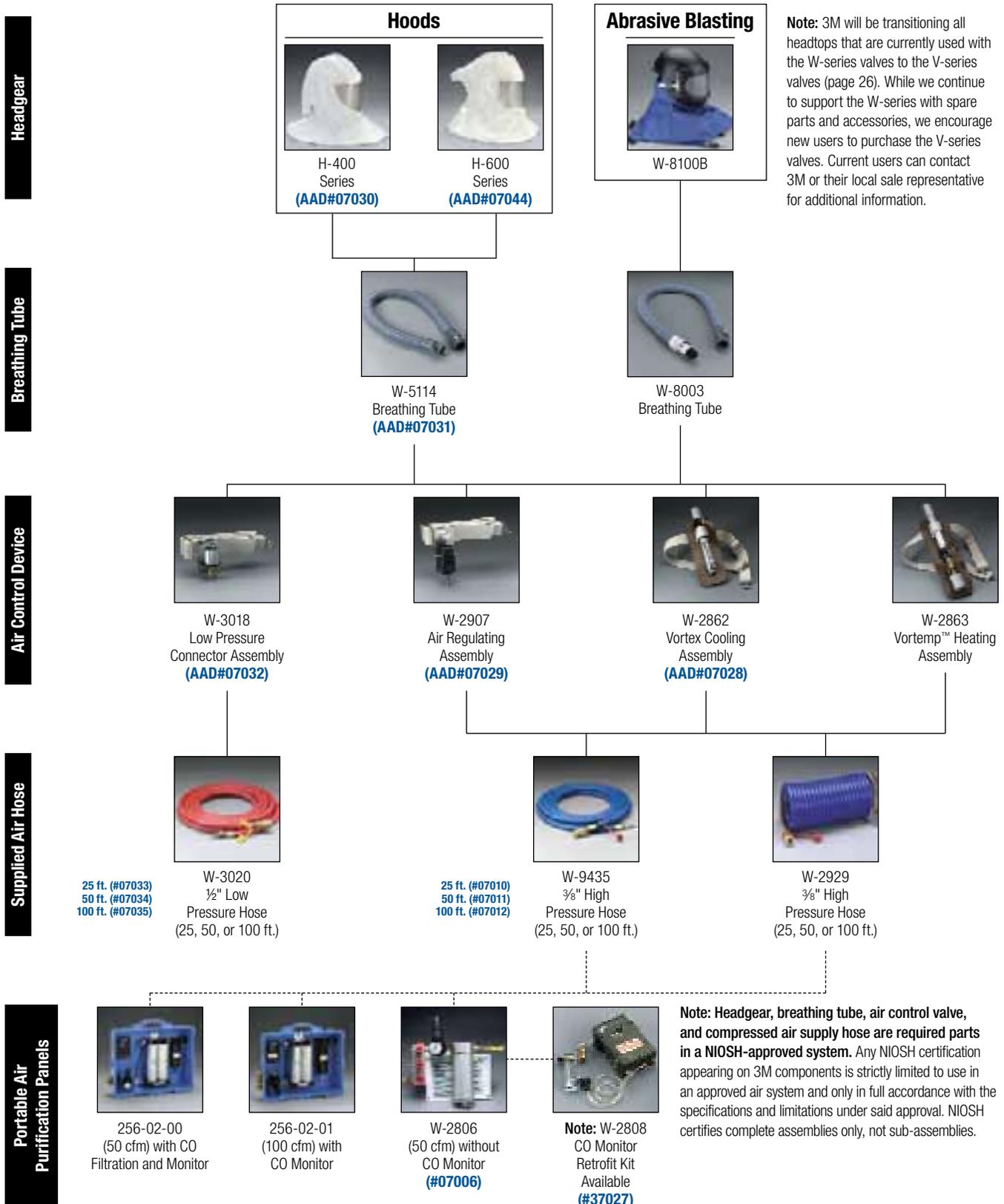
WARNING! See warnings on inside back cover.

Before each use of the product, please inspect for any rips, damages, tears, etc.

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IMPORTANT: 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.

3M™ Supplied Air* Respirators — Product Matrix



*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

WARNING! See warnings on inside back cover.

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3M Automotive Aftermarket Division (AAD) Product Numbers are found in parentheses on select products.

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3M™ Full Facepiece Respirators for Powered Air and Supplied Air* — Product Matrix

	FF-400 Series	6000 Series	7000 Series	
Headgear	 <p>FF-401 (S) FF-402 (M) FF-403 (L)</p>	 <p>6700 (S) 6800 (M) 6900 (L)</p>	 <p>6700DIN (S) 6800DIN (M) 6900DIN (L)</p>	 <p>7800S (S) 7800S (M) 7800S (L)**</p>
Powered Air Purifying			 <p>Powerflow™ Face-Mounted PAPR</p>  <p>GVP PAPR</p>  <p>GVP PAPR</p>  <p>Breathe Easy™ PAPR</p>	
Supplied Air	 <p>Dual Airline Supplied Air</p>	 <p>Dual Airline Supplied Air</p>	 <p>Dual Airline Supplied Air</p>  <p>Dual Airline Supplied Air</p>  <p>Supplied Air</p>  <p>Supplied Air</p>	

* It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

** Clip-on 3M™ Welding Shield also available.

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3M Products for First Responders



We don't know what the next emergency will be or when or where it will occur. 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 including specialized respirators for Chemical, Biological, Radiological, Nuclear (CBRN) applications and respirators for cleanup.

Being alert, well-trained and well-equipped is the best policy and the best defense.

3M™ Breathe Easy™ (BE) 10 Butyl Rubber Hood Systems



- The lightweight butyl rubber hood helps provide protection, excellent mobility and visibility
- Butyl rubber meets MIL-C-51251A for resistance to chemical agents
- Provides a continuous flow of filtered air
- The belt-mounted power unit is lightweight and comfortable
- Can be used with rechargeable NiMH battery or disposable lithium battery
- The hood can be worn with facial hair* and glasses
- No fit testing is required prior to wearing a hood
- For use with the 3M™ Cartridge FR-57
- Approximate weight is 8 lbs.

*Providing the facial hair does not protrude under the faceseal or shroud.

WARNING! See warnings on inside back cover.

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3M™ Full Facepiece Respirator 6000DIN, is an Ideal Respirator for Both Negative and Powered Air Applications

Selecting the right products for first responders is a difficult and challenging task. In addition to all the training required, first response personnel must be provided with the best available products to help protect them from the many hazards encountered in performing their jobs. 3M offers solutions.

With the numerous events in the U.S. and around the world, 3M now offers an expanded line of personal safety products... the products that help deliver the confidence and protection that are needed by first response personnel.

For Negative Pressure



As a negative pressure system, the 6000DIN series full facepiece can be used with 3M™ Canister CP3N for tear gas agents and 3M™ Cartridge FR-64 for most military and industrial materials.

- Can be converted for use with other industrial 3M™ Filters and Cartridges
- Available in small, medium and large sizes
- Comfortable, lightweight
- Flexible and durable silicone faceseal
- Provides a wide field of vision
- Easy to adjust head straps

For Powered Air



This is a Rapid Response Powered Air System (RRPAS) where the components are stored in a unique carrying bag that converts into a vest with the PAPR in place and ready for use with the 3M™ Canister FR-40 and 3M™ Cartridge FR-57.

- Provides exceptional comfort and mobility
- Easy to don and doff
- Hook and loop fasteners allow fast and easy adjustment to individual sizes
- The power unit provides continuous flow of filtered air
- Can be used with rechargeable NiMH battery or disposable lithium battery
- Approximate weight is 10 lbs.
- Also available as belt-mounted PAPR. For component information, call customer service at 1-800-752-3623.

Before each use of the product, please inspect for any rips, damages, tears, etc.

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



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* made of Tychem® QC. The head cover/hood gives the user a wide field of vision and directs positive airflow into the breathing zone.
- The breathing tube connects the blower unit to the head cover/hood.
- 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.
- Can be worn with facial hair** and glasses. Facial hair must not interfere with faceseal.
- No fit testing is required prior to wearing.

NIOSH's CBRN Standard

3M now offers two products, 3M™ Full Facepieces FR-M40B and FR-7800B, that meet NIOSH's Chemical, Biological, Radiological, Nuclear (CBRN) Standard for full facepiece air purifying respirators. They have been tested and certified by NIOSH for use against many warfare agents including sarin and sulfur mustard as well as many industrial chemicals. They also meet the P100 particulate efficiency standard making them versatile, effective and reliable for handling the kinds of emergencies that are faced by homeland security, military and law enforcement personnel.

3M™ Full Facepiece FR-M40B



The M-40 full facepiece has been used for years by U.S. Armed Forces all around the world. It has been modified by 3M for easier breathing and is now available for CBRN applications.

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

**Providing the facial hair does not protrude under the faceseal or shroud.

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The 3M™ Full Facepiece FR-M40B with 3M™ Canister FR-15-CBRN or 3M™ Canister CP3N puts 3M at the forefront of innovative products for personal safety.

- Soft silicone faceseal material means a secure fit and increased wearer comfort.
- Assembled with second skin and eyepiece outserts in place. Just attach the FR-15-CBRN canister and you have a NIOSH CBRN-approved system (TC-146-0271).
- Also NIOSH-approved with CP3N canister for use against CS, CN and as a P100 filter (TC-14G-0251 Standard) in riot conditions, including those with tear gas.
- Two integral speaking diaphragms help provide clearer communications.
- Butyl rubber second skin provides enhanced permeation protection, which means greater user security.
- Dual ocular lens for enhanced performance and security.
- Patented filtration technology used in our canister results in the optimum combination of easy breathing, lighter weight, service life and general comfort.
- Canisters have a shelf life of five years.
- Available with an optional quick doff hood.

3M™ Full Facepiece FR-7800B



This product was designed specifically for homeland security, military and law enforcement personnel and features a low-profile design to help improve comfort. The facepiece is certified by NIOSH for CBRN applications when used with 3M™ Canister FR-15-CBRN. This product positions 3M as one of the leaders in innovative products for personal safety.

- NIOSH-approved with 3M™ Canister CP3N for use against CS, CN and as a P100 filter (TC-14G-0251) in riot conditions, including those with tear gas.
- Lens meets ANSI Z87+ 2003 standard, providing high impact protection. This facepiece can be used as primary eye protection.
- Lens has optical correction promoting no left-to-right visual distortion.
- Butyl rubber seal to help resist permeation of warfare agents.
- Newly designed exhalation valve cover to help protect the valve against chemical agents.

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3M™ Hearing Protection



E-A-R™ E-A-Rfit™ Validation System

E-A-Rfit™ is a laboratory comprehensive fit validation system to quickly measure the noise reduction achieved by most individual workers who are wearing E-A-R™ earplugs. For more information on this service, please contact your 3M OH&ESD Sales Representative.



E-A-Rsoft™ Foam Earplugs (NRR 33 dB)

Special, soft and smooth foam formulation with the highest NRR available from 3M. Offered in a range of sizes as well as in corded and uncorded models.



E-A-R™ Classic™ Foam Earplugs (NRR 29 dB)

Our most popular earplug. The Classic earplug's timeless design has proven itself in the field for over 30 years, and its foam provides a comfortable, effective seal. It's easy to insert and it provides great protection.



E-A-Rsoft™ FX™ Earplugs (NRR 33 dB)

Flared shape for easy insertion and removal. Soft, comfortable foam plugs available in corded and uncorded models.



E-A-R™ EXPRESS™ Pod Plugs™ (NRR 25 dB)

The EXPRESS™ Pod Plugs™ make fitting easy; there's no roll-down needed. Just use the soft, flexible grip to push the plug into position. Because you don't touch the foam during fitting, it's one of the most hygienic earplugs available.



E-A-R™ Classic™ One Touch™ Dispenser

One turn and the patented "No Waste Funnel" delivers earplugs quickly and easily. Reusable base and dispensing unit.



E-A-R™ UltraFit™ Earplugs (NRR 25 dB)

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.

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.

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E-A-R™ Push-Ins™ Earplugs (NRR 28 dB)

E-A-R™ Push-Ins™ earplugs combine the ease of use and fit benefits of a reusable earplug with the cost and comfort advantages of a disposable earplug. It's all made possible with the innovative, easy-to-use design and the ultra-soft performance of a tip made of E-A-Rform™ foam. The thermoreactive foam softens with body heat.



E-A-R™ Push-Ins™ SofTouch™ Foam Earplugs (NRR 31 dB)

Because even the toughest workers like the softest earplugs, SofTouch Foam earplugs are designed to be our softest Push-Ins earplugs. The cushiony shape seals as well as it feels.

E-A-R brand offers the widest variety of metal detectable hearing protectors on the market today. Some models come with metal-detachable cords.



E-A-R™ Classic™ Plus Metal Detectable Earplugs



E-A-Rsoft™ Yellow Neons™ Metal Detectable



E-A-R™ Express™ Metal Detectable Pod Plugs™



E-A-R™ UltraFit™ Metal Detectable Earplugs



E-A-R™ Push-Ins™ Metal Detectable Earplugs (NRR 28 dB)

These comfortable protectors feature encased surgical-grade, stainless steel ball bearings and are formulated with metal particles. The result is rust-free performance and high detection by most metal-sensing systems.

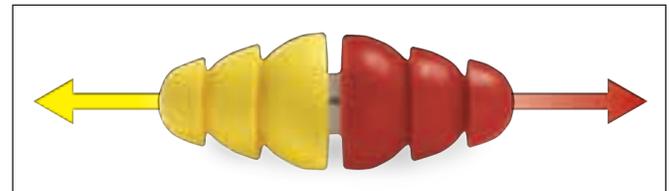
Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in earplug fit and wearing time. It is recommended that the NRR be reduced by 50% for estimating the average amount of noise reduction provided.

E-A-R™ ARC PLUG™ Earplugs (NRR 22 dB – red side)

The only arc protection earplugs with Hear-Through™ earplug design that allows workers to hear conversation, signals, and other critical sounds clearly. If an arc flash occurs, the yellow end of the earplug offers a specially designed patented noise filter that activates immediately to suppress the noise to a lower level – without dangerous delay – reducing the chance of hearing damage.

Plus, with double-end versatility, workers just have to insert the plug's red end for protection against exposures to continuous hazardous noises.

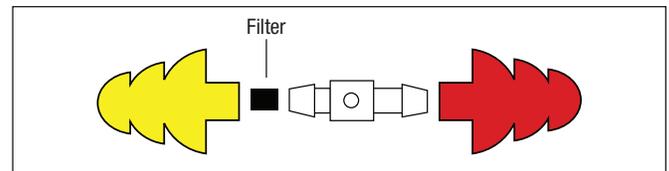
- Material successfully tested for ARC exposures of category 2 and higher, ASTM F1959-2005 modified



Insert yellow end for Hear-Through™ and instant protection

Washable and reusable

Red end for protection against constant hazardous noise



ARC Plug™ features a non-linear acoustical design with a calibrated filter within the plug stem



E-A-R™ Swerve™ Banded Hearing Protector (NRR 28 dB)

Comfort meets performance when the Swerve™ banded hearing protector incorporates a cutting-edge band design with the proven effectiveness of E-A-R™ foam earplugs. The result is banded hearing protection like you've never seen, heard, or felt before.

3M™ Hearing Protection

Peltor™ Optime™ Earmuffs

Choosing the right earmuff for workers is a critical decision. A muff with too little attenuation leaves workers vulnerable to noise induced hearing damage. One with too high of a protection level can “overprotect” and make it difficult to hear voices, signals, and make a worker feel isolated. Now there’s an easy solution. Just match the numbers to the noise levels.



Peltor™ Optime™ 95 Earmuff (NRR 21 dB)

- Very low profile ear cups, fits well with most helmets, eyewear, and other safety equipment
- When TWA noise levels reach up to 95 dB



Peltor™ Optime™ 98 Earmuff (NRR 25 dB)

- When TWA noise levels reach up to 98 dB



Peltor™ Optime™ 101 Series (NRR 27 dB)

- When TWA noise levels reach up to 101 dB



Peltor™ Optime™ 105 Earmuff (NRR 30 dB)

- Developed for protection in demanding noise environments
- Highest NRR available in over-the-head style earmuffs from 3M (NRR 30 dB)
- A unique “double-shell” earcup design (two cups connected via a foam inner layer to reduce structural resonances)
- When TWA noise levels reach up to 105 dB



Optime™ 95 with headband Optime™ 95 neckband for behind-the-head wear Optime™ 95 folding Optime™ 95 helmet-attachable earmuffs

Peltor™ Next™ Earplugs

Young workers don’t want what was. They want what’s next. Bright colors. Different shapes. Easy-use features. Today’s younger workforce can be a challenging group to get to wear hearing protection. Simply put, they don’t want “yesterday’s” plugs. They want new.



Peltor™ Next™ Skull Screws™ Earplugs (NRR 30 dB)

Grab young workers by the ears with metallic-look foam and screw grip. These plugs bring a new radical attitude

to the workplace that’s sure to boost wear-time with younger workers.



Peltor™ Next™ No-Touch™ Foam Earplugs (NRR 29 dB)

Hands off the foam. What could be easier?



Peltor™ Next™ Tri-Flange™ Earplugs (NRR 26 dB)

Multiple Seals, Multiple Uses.

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.

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E-A-R™ BUDS™ Headphones (NRR 26 dB)

Now you can hear your music while you work with the new, MP3 compatible, noise isolating, E-A-R™ BUDS™ Headphones. These give workers the protection they need AND the entertainment they want. Safety never sounded so good.

- Ultra-comfortable design
- Convenient, easy-access volume control
- Speaker volume limited to 82 dB

Hearing Conservation Resources

HearForce™ Training

Free on-site employee hearing conservation training provided by your 3M Hearing Conservation (HC) Specialist.

- Helps employers meet annual OSHA Requirement 1910.95
- Contact your local 3M HC Specialists to schedule a training session
- Download the HearForce™ brochure from www.hearforcetraining.com

Training Materials

All of these training materials are offered at no cost to 3M customers:

- **Earful of Sound Advice** – Employee training pamphlet on hearing protection
- **Tips and Tools for Fitting and Using E-A-R™ Foam Earplugs** – Earplug instruction booklet
- **E-A-R Classic Earplug Poster** – Provides easy to understand, 3-step process for fitting classic earplugs

All training materials, with the exception of the DVD, can be downloaded directly from www.e-a-r.com/hearingconservation.

Other Hearing Protection Products From 3M



3M™ Earplugs

Foam Earplugs 1100 (NRR 29 dB)

Soft, foam earplugs conform to the shape of the ear for a comfortable, consistent fit.

Corded Foam Earplugs 1110 (NRR 29 dB)

Foam earplugs are also available with a cord that drapes around the neck, enabling workers to remove and reinsert plugs repeatedly during the work day.

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.

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3M™ Eye Protection

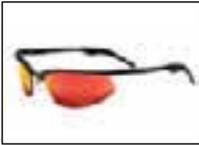


Smart Lens™ Photochromic Eyewear

It changes so workers don't need to. The days of buying indoor and outdoor safety eyewear are over. Let there be light. Let there be dark. Let there be Smart Lens™ Photochromic Eyewear.

Be Smart with Smart Lens™ Photochromic Eyewear

Safety directors should assess their particular workplace and ensure that all people wearing Smart Lens™ photochromic eyewear are aware of the time required for the lens transition. Special care should be taken when moving from outdoors to indoors. Outdoor temperatures may affect lens transition time.



Orange County Choppers™ Safety Eyewear

The coolest eyewear line just got cooler. Inspired by the internationally popular

TV show, Orange County Choppers™ Safety Eyewear has the edgy styling and solid performance which lets you hold on tight and take compliance for a ride!



Metaliks™ Safety Eyewear

A distinctive contemporary look, metal frames and comfortable spatula temples set the Metaliks™ family of safety eyewear apart from the competition.



Moon Dawg™ Safety Sun Wear

Moon Dawg™ eyewear proves that safety can look cool. Protect wearers' eyes and their image with these surf-inspired safety eyewear; ideal for outdoor safety sun wear.



Light Vision™ 2 Safety Eyewear

The brightest idea in safety eyewear.

Don't be left in the dark anymore. Light Vision™ 2 Safety Eyewear has lights mounted on each temple to provide

hands-free task lighting. The LED systems provide ultra-bright beams and swivel/adjust for directional convenience. Of course, this lighting advantage is coupled with impact protection.



BX™ Safety Eyewear

BX™ Safety Eyewear adjusts to the workers, instead of workers having to adjust to it. With many adjustable features, BX™ eyewear provides a better fit, which can help your workers have a better attitude towards wearing their eyewear.



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Fuel™ Protective Eyewear

Tired of running on empty? Pump up compliance levels with Fuel™.

- Sleek, universal-fit design
- Three hot colors
- Flared accents
- Soft temple tips and nosebridge
- Meets the high impact requirements of ANSI Z87.1-2003



Refine™ Women's Safety Eyewear

Better fit means better protection.

Refine™ Safety Eyewear is specially sized for the female profile. Designed to fit closer and more proportionally

to the eyes, cheeks, and brow. The result is better coverage with fewer gaps to help prevent dangerous flying debris from reaching eyes. Refine your style, refine your view on safety.



Privo™ Safety Eyewear

- Sleek European-inspired styling
- Soft molded nosebridge and temple tips for all day comfort

- Tough durable polycarbonate lens absorbs 99.9% UV
- Anti-fog lenses
- Meets the requirements of ANSI Z87.1-2003 and CSA Z94.3-2007



Maxim™ Safety Eyewear

Tough by design, Maxim™ Safety Eyewear has more lens choices for more applications. Without sacrificing style,

comfort, or fit, even the toughest standards are pushed to the max with Maxim safety eyewear.

- Meets the high impact requirements of ANSI Z87.1-2003 and CSA Z94.3-2007



Lexa™ Safety Eyewear

Lexa™ Safety Eyewear provides a unique combination of performance, comfort, fit, and application versatility. Lexa

safety eyewear is a patented eyewear system with individual solutions for specific eye protection problems. The Lexa safety eyewear system includes task-specific lens tints and shades, including the indoor/outdoor mirror lens with no backside reflection and the MinimizeR™ lens which helps reduce workers' exposure to welder's "flash burn." Plus, Lexa safety eyewear can be transformed into a dust or splash goggle with GoggleGear™ accessories, which makes it a true eyewear system. And now, we've improved upon this system with the addition of diopter reader lenses.

- Meets the high impact requirements of ANSI Z87.1-2003 and CSA Z94.3-2007



Virtua™ Safety Eyewear

Versatile, value, Virtua™ Safety Eyewear.

The Virtua safety eyewear line combines outstanding style, protection and

affordability. With numerous frame styles, lens tints and coatings, adjustability features and coverage profiles, the Virtua safety eyewear line can meet the needs for eye protection requirements.



Virtua™ V4 Eyewear

Virtua™ V4 Eyewear delivers excellent protection with contemporary styling at an economical price.

- Soft, dual injected temples for comfortable all day wear
- Popular unisex styling
- Rugged polycarbonate lens construction
- Lightweight
- Absorbs 99.9% UV
- Meets the requirements of ANSI Z87.1-2003

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3M™ Eye Protection



Maxim™ 2 x 2 Goggle

- Dual lens design for improved sight and comfort
- Air seal for comfort and protection

- Excellent orbital eye coverage and wide field of vision
- Meets the requirements of ANSI Z87.1-2003
- Ventilation for improved circulation and reduced fogging
- Anti-fog coating



Modul-R™ Goggle

- Low profile goggle with wide field of vision
- Clear anti-fog lens
- Neoprene adjustable strap

- Vented impact visor
- Light, durable polycarbonate impact visor option
- Visor features a flip-up, stand-by position
- Meets the requirements of ANSI Z89.1 2003



Tour-Guard™ Safety Eyewear

Tour-Guard™ Safety Eyewear is an economical choice when you need safety glasses for visitors. Tour-Guard eyewear can be worn alone or the design allows it to fit over most prescription glasses.



Centurion™ Goggles

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 helps promote longer wear time.

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3M™ Head and Face Protection



3M™ XLR8™ Hard Hats

- Lightweight, well-balanced design
- Universal accessory slots for use with a wide variety of eye, face and hearing protection products
- Four or six-point, pinlock or ratchet suspension
- Colors: white, yellow, blue, hi-viz orange, orange, red or green



3M™ H8A Ratchet Headgear

- Thermoplastic crown for impact protection
- Ratchet adjustment for precise fit and comfort
- Five-position crown strap



3M™ H24M Universal Cap-Mount Headgear

- Attachment feature does not interfere with cap-mounted ear muffs
- Two-position system locks shield up and out of place when not in use
- Fits securely to hard hat brim – keeps falling particulates and debris out



3M™ Faceshields

- Easy-Change™ replacement system
- Only compatible with 3M™ H-Series headgear
- Polycarbonate, propionate, acetate or mesh construction



3M™ Total Performance Faceshields

- Easy-Change™ replacement system
- Only compatible with 3M™ H-Series headgear
- Anti-Fog coating inside / Hard-Coat outside
- Available in clear, medium green or gold-plated models



3M™ Forestry Kits

- Provide head, face and hearing protection
- Designed for lumber and agricultural industries



Realtree Hardwoods HD® Hard Hats

- Popular camouflage design
- Lifelike reproduction of natural foliage
- Ideal for safety awards or gifts
- Meets the requirements of ANSI Z89.1 2003 Type 1 Class C, G and E



Orange County Choppers™ Hard Hat

- Unique carbon fiber pattern in black
- Emblazoned with popular OCC™ logo
- Ideal for safety awards or gifts
- Meets the requirements of ANSI Z89.1 2003 Type 1 Class C, G and E

Peltor™ Communications



Peltor

Peltor is a leader in 2-way communication products for use in high noise environments. Our dedication to offering quality products began over 50 years ago in Scandinavia. Today, the extensive Peltor line offers a broad selection of personal safety headsets and 2-way radio accessory products for use in military, law enforcement, hunting, sport shooting, aviation, racing and manufacturing environments.

From our preferred tactical hearing protectors to our self-contained 2-way radio headsets, all Peltor products offer exceptional quality and performance and offer solutions to high noise communication. By incorporating the latest technological advances in electronics, materials and designs, our products are among the most innovative in the industry.

Innovation. Experience. Quality. Comfort. All reasons why Peltor is the Sound Solution!



Integrated 2-way Radio Headsets

Peltor's family of integrated radio headsets are designed with your business productivity in mind.

Always innovative and quick to incorporate the latest in electronics in our products, Peltor has achieved the ultimate in a communication product by combining a headset and 2-way radio all in one. The PowerCom™ series offers the most versatile set of features including frequency reprogramming and up to 2 miles of transmitting power and range, ideal for use in environments where long distance communicating is a must and environmental conditions change. The LiteCom™ series offers features ideal for short range communicating (200 yards), and fixed environmental conditions.

This family of integrated 2-way radio headsets is the perfect tool for communicating in higher noise environments. Simple to operate and comfortable to wear, these headsets offer numerous features that may help to improve workplace efficiency.



Noise Attenuating Communication Headsets

Peltor's headsets are designed for industrial users working in high noise environments.

They offer the versatility along with the protection, durability and comfort that you expect from a leader in communication headsets.

Clean, reliable communication is essential, and sometimes life threatening, in any high noise radio communication environment. That is why Peltor uses the latest technologies in both earcup design and electronics. All Peltor headsets have the highest quality audio and transmit specifications enhancing the communication capabilities of the user and making them the ideal choice for demanding industries such as:

- Heavy equipment operation
- Construction
- Manufacturing
- Agriculture
- Racing
- Forestry

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Listen-only Headset Solutions

Lightweight communication options with heavy-duty performance.

PTL Listen-Only – “Push to listen” ambient listening electronic technology. The electronics are turned on and off with the touch of a button located on the side of the earcup. In the other earcup is a speaker with an audio jack for plugging into lapel microphone audio jacks or CD/MP3 players. The PTL electronics will stay on for 30 seconds and then turn off automatically unless pressed again. Ideal application for workers in environments where intermittent ambient listening is required.

Lapel Mic – Allows users to conveniently transmit and receive radio messages remotely. It features an ergonomic low profile design with an 8 position, 360 degree swivel clothes clip. Ideal for users that do not wish to hold or remove a 2-way radio from their belt in order to transmit or hear instructions.

HearPlugs – Lightweight listen-only earpieces feature the unique combination of high-quality audio reception with your choice of noise-isolating earpieces: reusable (NRR 21 dB) or soft foam (NRR 29 dB). HearPlugs help improve the ability of the wearer to hear audio signals in noisy situations by blocking ambient noise.



Ground Support Headsets

Peltor has led the way in two-way headsets by combining state-of-the-art electronics and hearing protection to provide outstanding communication capabilities in high noise environments.

Airports around the world depend on Peltor for reliable, glitch free, easy-to-use performance.

Peltor Ground Mechanic Headsets are designed to provide clear communications and hearing protection during aircraft push-back and ground support operations by plugging into

the exterior aircraft intercom jack. Communication options include an in-line belt station, mounted push-to-talk (PTT) or wireless Bluetooth.



AM/FM Radio Headsets

AM/FM Radio & Hearing Protector all-in-one!

Protect your hearing and listen to the radio at the same time! These lightweight, comfortable headsets, make the perfect accessory for working safely in the workshop, on the job, in the yard, or at the races!

With Peltor’s AM/FM radio headsets, you can tune in, protect your ears, and keep your hands free. Instead of the nerve-racking and potentially harmful noise of power tools, lawn mowers, or working noise, you choose your favorite music, sports, news, or talk show station. Just put it on to tune out the noise and tune in the enjoyment.



Tactical Hearing Protectors

The “Listening” Muffs That Help Protect Against Harmful Noise While Amplifying Low Level Sounds.

The Tactical line of hearing protectors from Peltor are designed to give shooters the best of both worlds: Protection from dangerous impulse noise such as gunfire, along with the distortion-free amplification of low level sounds such as range commands and conversation.

Tactical Hearing Protectors combine the high performance of our passive muff with advanced electronics. Wearers can hear low level sounds with remarkable clarity, but when dangerous noises occur the electronics limit the noise.

The performance of the Tactical Hearing Protectors from Peltor has led the way in the hearing protection industry for years with products for law enforcement, the military, and shooters all over the world.

3M™ SafeWaze™ Fall Protection



3M™ SafeWaze™ Fall Protection Products have earned the confidence of companies and workers across the country by offering a broad line of fall protection products and systems in the industry. Our quality control manufacturing combined with destructive lot testing helps ensure product reliability and performance in the field. We're committed to meeting your unique fall protection needs with our focus on custom solutions for your job site.

3M™ SafeWaze™ Harnesses

3M™ SafeWaze™ Harnesses



Fall protection full body harnesses are the most personal component of any fall protection system. Added comfort features include targeted padding and quick adjustment hardware. These features can help increase worker productivity and safety by making the harness easier to wear and fit properly.



Elavation™ Harness

This harness incorporates advanced ideas that make fitting, adjusting and wearing a full body harness more natural for the wearer.

The harness is rated at 400 lbs. and tested to OSHA 1910.66, OSHA 1926.502, ANSI Z359.1-2007, and CSA Z259.10-06 standards for fall arrest.



Ameba™ Harness

The Ameba™ Harness is designed with a special non-elastic helical yarn webbing that stretches and moves with wearers for non-binding mobility. Unlike competitive harnesses that utilize elastic blend webbing, the Ameba harness maintains its structural integrity during a fall which limits the total fall distance.

The Ameba harness is rated at 400 lbs. and is tested to OSHA 1910.66, OSHA 1926.502, ANSI Z359.1-2007, and CSA Z259.10-06 standards for fall arrest.



SafeLight™ Harness

The SafeLight™ Harness features quality construction at an economical price for an excellent value.

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3M™ SafeWaze™ Harnesses

Elavation™ Harness										
Model	Web Material	Back D-Ring	Waist D-Rings	Waist Pad/ Tool Belt	Chest Connection	Leg Connection	Comfort Pad	Lanyard Clip	Sizes	Icons
7510	9.5K Min Polyester	•			Quick Connect	Quick Connect	Shoulders/Legs	•	S-M, L-XL, XXL	
7511	9.5K Min Polyester	•	•		Quick Connect	Quick Connect	Shoulders/Legs	•	S-M, L-XL, XXL	
7512	9.5K Min Polyester	•	•	•	Quick Connect	Quick Connect	Shoulders/Legs	•	S, M, L, XL, XXL	
7550	9.5K Min Polyester	•			Quick Connect	Grommet	Shoulders/Legs	•	S-M, L-XL, XXL	
7551	9.5K Min Polyester	•	•		Quick Connect	Grommet	Shoulders/Legs	•	S-M, L-XL, XXL	
7552	9.5K Min Polyester	•	•	•	Quick Connect	Grommet	Shoulders/Legs	•	S, M, L, XL, XXL	
WM7510*	9.5K Min Polyester	•			Quick Connect	Quick Connect	Shoulders/Legs	•	S, M, L, XL, XXL	

Ameba™ Harness**										
Model	Web Material	Back D-Ring	Waist D-Rings	Waist Pad/ Tool Belt	Chest Connection	Leg Connection	Comfort Pad	Lanyard Clip	Sizes	Icons
Ameba 1311	6K Min Polyester	•	•	•	Mating	Grommet	Shoulders	•	S, M, L, XL, XXL	
Ameba 1410	6K Min Polyester	•			Mating	Mating	Shoulders	•	S-M, L-XL, XXL	
Ameba 1411	6K Min Polyester	•	•		Mating	Mating	Shoulders	•	S-M, L-XL, XXL	
Ameba 1450	6K Min Polyester	•			Mating	Grommet	Shoulders	•	S-M, L-XL, XXL	
Ameba 1451	6K Min Polyester	•	•		Mating	Grommet	Shoulders	•	S-M, L-XL, XXL	

SafeLight™ Harness										
Model	Web Material	Back D-Ring	Waist D-Rings	Front D-Ring	Chest Connection	Leg Connection	Waist Pad/ Tool Belt	Weight Capacity	Sizes	Icons
10910	6K Min Polyester	•			Mating	Mating		310	Universal	
10911	6K Min Polyester	•	•		Mating	Mating		310	Universal	
10950	6K Min Polyester	•			Mating	Grommet		310	Universal	
10951	6K Min Polyester	•	•		Mating	Grommet		310	Universal	
10650	6K Min Polyester	•		•	Mating	Grommet		310	Universal	
10651	6K Min Polyester	•	•	•	Mating	Grommet		310	Universal	
10952	6K Min Polyester	•	•		Mating	Grommet	•	310	Universal	

* Includes seat strap with D-Rings.

** Note that product code includes "Ameba" (i.e. order as Ameba 1311).

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3M™ SafeWaze™ Fall Protection

3M™ SafeWaze™ Fall Protection Connecting Devices and Retractableables and 3M™ SafeWaze™ Lanyards

3M™ SafeWaze™ Fall Protection Connecting Devices and Retractableables



Fall Protection Connecting Devices

Connecting devices link the wearer to an anchor point as part of a complete fall protection system. In the event of a fall, connecting

devices act as an energy absorber. They help protect workers by reducing the arresting force applied to a workers body to within safe limits.



ReLoad™ Retractable

The ReLoad™ Retractable combines innovative design, superior materials, and the ability to be serviced in the field. It is one of the most advanced retractable lifelines available today.

Field Serviceability – The ReLoad retractable's innovative modular design allows for quick and easy inspection and repair of key component parts including the housing and labels, lifeline and snap-hook, and energy absorber. When a unit is inspected and/or serviced by a certified technician, that service/inspection is considered a complete recertification of that retractable.

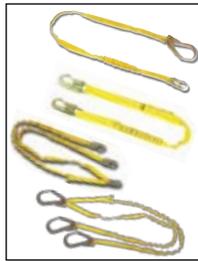


Self-Retracting Lifelines – SafeWaze™ Retractableables

SafeWaze™ Retractableables combine a high-strength housing for usage extending durability with a rugged internal chassis that is rated for use

up to 400 lbs. Smart design features including a swivel top and spring-cushion cable guide improve product performance and make SafeWaze retractables a popular choice.

3M™ SafeWaze™ Lanyards



SafeLight™ Lanyards

(209712, 209712-0241, 209750, 209750-0241) These lanyards employ a convenient low-profile design for wearer comfort. The energy absorbing technology has been designed into the

core of the lanyard, eliminating the need for an external shock pack. Impact indicators are exposed in the event of a fall to aid the identification of lanyards that must be removed from service.



Elavation™ 400 lb. Rated Lanyards

(409712, 409712-0241, 409750, 409750-0241) Elavation™ Lanyards feature the same convenient low-profile design as SafeLight™ Lanyards with one

major improvement; Elavation™ lanyards are rated to 400 lbs. These unique 400 lb. rated low-profile lanyards are the perfect complement to the 400 lb. rated Elavation™ harness offering.



SafeAbsorb™ XTRA Lanyards

(4712-6, 4712-6-0241, 4750, 4750-0241) These lanyards are the ideal choice when lanyard length can pose a trip hazard. The innovative elastic jacket of the SafeAbsorb™ XTRA Lanyards stretches from 4' to 6' which helps prevent lanyard entanglement.

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3M™ SafeWaze™ Fall Protection Connecting Devices and Retractable

ReLoad™ Retractable					
Model	Size	Length	Lifeline	Connector	Weight
REW-7	5.2" x 4.0" x 7.0"	7'	3/4" Web	Double Locking Snap Hook	4.0 lbs.
REW-12	7.0" x 4.8" x 9.1"	12'	1" Web	Double Locking Snap Hook	7.0 lbs.
REW-23	7.5" x 4.6" x 11.1"	23'	1" Web	Double Locking Snap Hook	11.0 lbs.
REC-23	8.0" x 5.0" x 11.5"	23'	3/16" Galvanized Steel Cable	Double Locking Snap Hook	12.0 lbs.
REC-30	8.0" x 5.5" x 12.0"	30'	3/16" Galvanized Steel Cable	Double Locking Snap Hook	13.0 lbs.
REC-40	8.5" x 6.0" x 12.5"	40'	3/16" Galvanized Steel Cable	Double Locking Snap Hook	15.0 lbs.
REC-50	8.5" x 6.0" x 13.0"	50'	3/16" Galvanized Steel Cable	Double Locking Snap Hook	17.0 lbs.

Self-Retracting Lifelines – SafeWaze™ Retractable						
Model	Housing	Length	Lifeline	Housing Hardware	Line Hardware	Weight
M-15	Aluminum Alloy	15'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	5.7 lbs.
M-20	Aluminum Alloy	20'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	7.3 lbs.
M-30	Aluminum Alloy	30'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	8.6 lbs.
M-40	Aluminum Alloy	40'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	11.7 lbs.
M-50	Aluminum Alloy	50'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	16.25 lbs.
M-65	Aluminum Alloy	65'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	19.1 lbs.
M-75	Aluminum Alloy	75'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	19.1 lbs.
M-100	Aluminum Alloy	100'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	38.5 lbs.
M-130	Aluminum Alloy	130'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	86 lbs.

Self-Retracting Lifelines – SafeWaze™ Retractable						
Model	Housing	Length	Lifeline	Housing Hardware	Line Hardware	Weight
RLD-10A*	Anti-Shock Polymer	10'	3/16" Galvanized Steel Cable	Steel Carabiner	Aluminum Snap hook	3.7 lbs.
RLD-10A-0241H*	Anti-Shock Polymer	10'	3/16" Galvanized Steel Cable	Rebar Hook	Aluminum Snap hook	3.7 lbs.
RLD-10S	Anti-Shock Polymer	10'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	3.7 lbs.
RLD-10S-0241H	Anti-Shock Polymer	10'	3/16" Galvanized Steel Cable	Rebar Hook	Snap hook	8.6 lbs.
RLD-10-0241	Anti-Shock Polymer	10'	3/16" Galvanized Steel Cable	Steel Carabiner	Rebar Hook	8.6 lbs.
RLD-20	Anti-Shock Polymer	20'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	11.7 lbs.
RLD-30	Anti-Shock Polymer	30'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	16.25 lbs.
RLD-40	Anti-Shock Polymer	40'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	19.1 lbs.
RLD-50	Anti-Shock Polymer	50'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	19.1 lbs.
RLD-65	Anti-Shock Polymer	65'	3/16" Galvanized Steel Cable	Steel Carabiner	Snap hook	38.5 lbs.

Self-Retracting Lifelines – SafeWaze™ Retractable						
Model	Housing	Length	Lifeline	Housing Hardware	Line Hardware	Weight
MS-11	Aluminum Alloy	11'	Dynema Web	Steel Carabiner	Snap hook	3.5 lbs.
MS-11/0241	Aluminum Alloy	11'	Dynema Web	Steel Carabiner	Snap hook	3.5 lbs.
MS-16	Anti-Shock Polymer	16'	Dynema Web	Steel Carabiner	Snap hook	3.5 lbs.
MS-20	Anti-Shock Polymer	20'	Dynema Web	Steel Carabiner	Snap hook	5.0 lbs.
MS-25	Anti-Shock Polymer	25'	Dynema Web	Steel Carabiner	Snap hook	6.5 lbs.
MS-30	Anti-Shock Polymer	30'	Dynema Web	Steel Carabiner	Snap hook	6.0 lbs.
MS-40	Anti-Shock Polymer	40'	Dynema Web	Steel Carabiner	Snap hook	11.5 lbs.
MS-50	Anti-Shock Polymer	50'	Dynema Web	Steel Carabiner	Snap hook	12.0 lbs.

*OSHA Approved.

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3M™ SafeWaze™ Fall Protection

3M™ SafeWaze™ Lanyards

SafeLight™ Lanyards									
Model	Web Material	Length	Shock Type	Color	Snap Hooks	Rebar Hook 2.75"	Hardware	100% Tie Off	Weight Capacity
209712	Integral Core Nylon	6 ft.	Integrated Core	Yellow	••		Stamped Steel		310
209712-0241	Integral Core Nylon	6 ft.	Integrated Core	Yellow	•	•	Stamped Steel		310
209750	Integral Core Nylon	6 ft.	Integrated Core	Yellow	•••		Stamped Steel	•	310
209750-0241	Integral Core Nylon	6 ft.	Integrated Core	Yellow	•	••	Stamped Steel	•	310

Elavation™ 400 lb. Rated Lanyards									
Model	Web Material	Length	Shock Type	Color	Snap Hooks	Rebar Hook 2.75"	Hardware	100% Tie Off	Weight Capacity
409712	Integral Core Nylon	6 ft.	Integrated Core	Tan	••		Stamped Steel		400
409712-0241	Integral Core Nylon	6 ft.	Integrated Core	Tan	•	•	Stamped Steel		400
409750	Integral Core Nylon	6 ft.	Integrated Core	Tan	•••		Stamped Steel	•	400
409750-0241	Integral Core Nylon	6 ft.	Integrated Core	Tan	•	••	Stamped Steel	•	400

SafeAbsorb™ XTRA Lanyards									
Model	Web Material	Length	Shock Type	Snap Hooks	Rebar Hook 2.75"	Hardware	100% Tie Off	Weight Capacity	
4712-6	Integral Core Polyester	4-6 ft.	Integrated Core	••		Stamped Steel		310	
4712-6-0241	Integral Core Polyester	4-6 ft.	Integrated Core	•	•	Stamped Steel		310	
4750	Integral Core Polyester	4-6 ft.	Integrated Core	•••		Stamped Steel	•	310	
4750/0241	Integral Core Polyester	4-6 ft.	Integrated Core	•	••	Stamped Steel	•	310	

3M™ SafeWaze™ Anchors and Kinetic™ Confined Space Rescue System *(see next page)*

3M™ SafeWaze™ Anchors	
Model	Description
4000	Reusable Roof Anchor
4550	6' Web Cross Arm Strap
4650-2	BeamWalk Mobile Anchor
4075	SafeClaw Reusable Concrete Anchor

Kinetic™ Confined Space Rescue System	
Model	Description
CON-2002	Kinetic Davit Arm
CON-2108	Safety Barricade 42" (Does not require mast)
CON-2003	Davit Arm Mast
CON-2118	H-Base Mast Adaptor
CON-2005	Floor Mount Mast Adaptor
CON-2006	Flush Floor Mast Adaptor
CON-205G-50	3-Way SRL Retrieval Device with Adaptor Hardware
CON-142G	65' Winch with Adaptor Hardware

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3M™ SafeWaze™ Fall Protection

3M™ SafeWaze™ Anchors



Anchorage devices provide the necessary tie-off point to complete a fall protection system. SafeWaze™ temporary anchorage devices are each rated to 5000 lbs. to withstand the substantial forces applied during a fall. By offering a diverse line of both fabricated and web based anchorage options, we are able to provide an anchor for most any job site.



Kinetic™ Confined Space Rescue System

Kinetic™ is a confined space rescue/retrieval system that is quick to assemble, lightweight and maneuverable, and provides the solution for many confined space rescue applications.

When seconds count, the Kinetic™ confined space rescue system provides the following advantages:

- Setup in under 3 minutes thanks to the system's Kinetic patented two-piece gate and davit arm assembly
- Lightweight design that utilizes Duralcan® Composite Metal
- OSHA-mandated barricade gate that restricts access to exposed entry points

The Kinetic™ confined space rescue system is also available in a number of other mounting systems to meet a variety of different industrial and utility applications.

3M™ SafeWaze™ Fall Protection Kits



We have developed a creative assortment of fall protection kits that are portable and convenient. These safety kits enable a worker to maintain inventory and maintenance of equipment, and the tool bags can be customized with individual distributor or end-user logos.



Aerial Lift Kits

Lift kits provide users with a harness and lanyard for basic fall protection, and are intended to be used with bucket trucks, scissor lifts, and other equipment that provides a built-in tie-off anchorage point.



Roofing Kits

Roofing kits provide a complete fall protection system in a convenient bucket or duffle bag. Included in roofing kits are a full body harness, shock-absorbing lanyard, anchor device and a synthetic rope lifeline with a rope grab. These kits take the guess work out of compliance and help simplify fall protection at a competitive price.

3M™ Speedglas™ Auto-Darkening Filters (ADFs) and Helmets



Safety Products That Can Help Increase Welding Performance

Now welders can see their work at comfortable light levels, with eye and face protection. Speedglas™ Auto-Darkening Filters from 3M turn dark the moment an arc is struck and return to light state (shade 3) again when welding stops, while maintaining UV/IR protection.

Auto-darkening helps to eliminate the neck-strain of “helmet nodding” while helping increase the accuracy of electrode placement.

This, in turn, helps reduce the need for grinding and rework. In addition, welders can get into tight, cramped spaces and have a clear view, making extremely awkward welds a lot easier and safer.

Important: Welding can create a variety of harmful fumes and gases. When engineering controls are impractical, respirators may be required to help reduce exposures to these airborne welding contaminants.



UV/IR Protection

This component of the filter assembly provides the same UV/IR protection as a traditional shade 13 filter plate (as regulated by USA and Canadian welding safety standards).



Welding Helmets That “Breathe”

The revolutionary Speedglas™ Helmet 9000 from 3M features patented aerodynamic exhaust vents that help to enhance the flow of exhaled air.

Note: Because faceshields and welding helmets can be raised from the normal position, ANSI Z87.1-2003 states that safety glasses must be used in conjunction with these helmets.

Note: Exhaust vents are not available on the 3M™ Speedglas™ Utility Filter and Helmet model.



Speedglas™

- Sealed button membrane protects digital controls.
- Custom, multi-function programmed logic chip minimizes components and increases reliability.
- Silicone coating protects critical components.



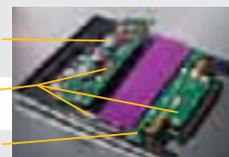
- Sensors mounted on circuit board minimize electromagnetic noise interference from LC, increasing low amp arc detection capability.
- Filter elements are bonded with optical adhesive for minimum distortion and maximum strength.
- Large side margins increase durability and help protect filter elements.
- Replaceable batteries in all models.
- Sealed button membrane protects digital controls.

Brand A

- Analog controls are fragile and prone to moisture and particle infiltration.
- Excessive wiring and circuitry components increase the potential for signal interference and connection failure.
- Spray coated or unprotected circuit board components are vulnerable to contamination.

Brand B

- Basic electronics may have difficulty detecting certain arc welding processes.
- Un-bonded filter elements reduce optical clarity and are less durable.
- Standard 4.5" × 5.25" format leaves little room on sides to protect glass filter from impact or twisting.
- Non-replaceable batteries eventually go dead and the lens becomes non-functional.



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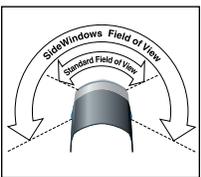
3M™ Speedglas™ Auto-Darkening Filters and Helmets



Helmets with SideWindows Improve Visibility, Safety and Comfort

3M™ Speedglas™ Welding Helmets with SideWindows allow for peripheral vision. The two shade 5 side filters increase the peripheral viewing area by over 100%.

SideWindows filters allow welders to see potentially-hazardous peripheral objects, such as moving equipment, vehicles, and other welders, with the helmet down.



The two side filters are designed solely for peripheral vision; the welder continues to view his own arc through the center (auto-darkening) filter.



Ideal for Weld Prep/Grinding

The 3M™ Speedglas™ FlexView System has a big 4.7 in. × 3.6 in. (120mm × 90mm) clear polycarbonate faceshield

that's ideal for precision weld preparation work under a variety of lighting conditions. The user simply lifts up the spring-mounted Speedglas filter assembly for weld prep. The faceshield meets the ANSI Z87.1-2003 industrial eye and face protection standard.



A Balanced Hard hat for Welders

The 3M™ Speedglas™ ProTop System has an exclusive pivot mechanism that “nests” the welding helmet down low over the hard hat, in a balanced, secure position.

The lower center-of-gravity helps reduce neck strain.



3M™ Speedglas™ 100 Welding Helmet

The new Speedglas™ 100 series welding helmet delivers outstanding protection, comfort and performance with seven distinctive graphic designs.



3M™ Speedglas™ 100
Blazed (07-0012-31BZ)



3M™ Speedglas™ 100
Aces High (07-0012-31AH)



3M™ Speedglas™ 100
American Pride (07-0012-31AP)



3M™ Speedglas™ 100
Chrome* (07-0012-31CH)



3M™ Speedglas™ 100
Mechanical Skull (07-0012-31MS)



3M™ Speedglas™ 100
Trojan Warrior (07-0012-31TW)



3M™ Speedglas™ 100
Tribal (07-0012-31TR)



3M™ Speedglas™ 100
Black (07-0012-31BL)

*Reflected UV light from the chrome finish is absorbed by the clear coat finish. The measured intensity is similar to that of a black helmet.

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3M™ Speedglas™ Auto-Darkening Filters and Helmets



3M™ Speedglas™ Helmets and Auto-Darkening Filters

	Speedglas SL	9002D Filter and Helmet	9000XF Filter and Helmet	9100 Filter and Helmet	100 Filter and Helmet
					
					
	<ul style="list-style-type: none"> • Weighs 13 oz. (370g) Complete Assembly • Available in Shades 8 to 12 • 4 Sensitivity Settings • Auto On/Auto Off 	<ul style="list-style-type: none"> • Dual Shades 10 and 11 • MIG, Stick, some TIG 	<ul style="list-style-type: none"> • Fixed Shade • Available in Shades 10, 11, or 12 • MIG, Stick, some TIG • Large Viewing Area • Sensitivity Adjustment • Solar Panel 	<ul style="list-style-type: none"> • 9100V, X, XX • Variable Shade • Shades 5, 8, 9 to 13 • MIG, Stick, TIG • 5 Sensitivity Settings • Tack Welding Mode and a Grinding Mode 	<ul style="list-style-type: none"> • Available in 7 Distinctive Graphic Designs • Variable Shade and Single Shade • Shades 8 to 12 • MIG, Stick, TIG
	SL	9002D	9000XF	9100V, X, XX	100
Standard Helmet	05-0013-41	04-0012-15	04-0012-10	06-0100-10 06-0100-20 06-0100-30	07-0012-31BZ 07-0012-31AH 07-0012-31CH 07-0012-31MS 07-0012-31TW 07-0012-31TR 07-0012-31BL
Standard Helmet with SideWindows	N/A	04-0012-15SW	04-0012-10XSW	06-0100-10SW 06-0100-20SW 06-0100-30SW	N/A
ProTop System	N/A	04-0015-15	04-0015-10X	N/A	N/A
ProTop System with SideWindows	N/A	04-0015-15SW	04-0015-10XSW	N/A	N/A
FlexView System	N/A	04-0016-15	04-0016-10X	N/A	N/A
FlexView System with SideWindows	N/A	04-0016-15SW	04-0016-10XSW	N/A	N/A
FlexView System with ProTop	N/A	04-1516-15	04-1516-10X	N/A	N/A
FlexView System with ProTop and SideWindows	N/A	04-1516-15SW	04-1516-10XSW	N/A	N/A

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Speedglas™ Eye, Face and Respiratory Protection



Are your employees working in exhausting, hard-to-breathe-in environments? Let them try one of our many powered air systems for just a couple of hours. That's all it takes to realize how comfortable work can be. Comfort can help lead to more work time.

3M™ Speedglas™ FlexView for Welding and Weld Prep/Grinding



The FlexView system combines eye and face impact protection (ANSI Z87.1-2003) (for both welding and non-welding activities) with a slim, lightweight, powered air purifying respirator. For chipping, grinding, or preparation, the user simply lifts up the spring-mounted Speedglas™ filter assembly. The spring holds the auto-darkening filter securely on top of the helmet, giving the welder a clear view through the clear polycarbonate faceshield that meets the high impact test requirements of ANSI Z87.1-2003.

3M™ Speedglas™ Helmet 9000 HWR Auto-Darkening Filters (ADF's) with Respiratory Protection for Welding



We've reinvented the powered air-purifying respirator (PAPR) for welders. The result is 3M™ Speedglas™: a lightweight, compact, all-in-one system.

Its exclusive "stackable" configuration means that the Adflo™ High Efficiency (HE) Particulate Filter can be combined with a chemical cartridge for additional protection.

Note: Not for paint spraying of flammable substances, or where intrinsic safety is required.

Note: Because faceshields and welding shields can be raised from the normal position, ANSI Z87.1-2003 states that safety glasses must be used in conjunction with these respirators.

3M™ Speedglas™ Powered and Supplied Air Protection L-Series



3M now offers a line of Speedglas™ combined systems and helmets. We have paired the legendary Speedglas ADF with our best-in-class powered air purifying respirator and our L-series hard hat to provide you with unparalleled comfort and protection in the most demanding environments.

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3M™ Speedglas™ with Adflo™ Eye, Face and Respiratory Protection



Adflo™ System	9002D	9000XF	9002V	9002X
(HE) with 9000 HWR Helmet	15-1101-15	15-1101-10X	15-1101-31	15-1101-21
(HE) with 9000 HWR Helmet and SideWindows	15-1101-15SW	15-1101-10SW	15-1101-31SW	15-1101-21SW
(HE) with FlexView System Helmet	16-1101-15	16-1101-10X	16-1101-31	16-1101-21
(HE) with FlexView System Helmet and SideWindows	16-1101-15SW	16-1101-10SW	16-1101-31SW	16-1101-21SW

Note: The complete 3M™ Adflo™ System Packouts with the organic vapor/acid gas (OV/AG) cartridge are no longer available for purchase. If a customer needs a high efficiency (HE) system with an OV/AG cartridge (15-0399-99X02 and 15-0399-99X06), the cartridge must be purchased separately (see Replacement Parts for the 3M™ Adflo Systems).

3M™ Fresh-air II Supplied Air System with 3M™ Speedglas™ Helmet 9000 HWR



The NIOSH-approved supplied air (SA) 9000 system provides respiratory protection from airborne particulates and gases. The lightweight, belt-

mounted valves permit the welder to adjust the temperature of the air entering the headpiece, making it ideal for very hot or strenuous jobs.



- V-100 valve permits welder to lower the temperature of the supplied air by up to 45°F (25°C).
- V-200 temp-air valve allows either cooling or warming of the supplied air +45°F from the supplied air temperature.

Note: Final determination of respirator applicability and filter selection must be made by an on-site safety specialist or industrial hygienist.

Note: Because faceshields and welding shields can be raised from the normal position ANSI Z87.1-2003 states that safety glasses must be used in conjunction with these respirators.

NEW!



The 3M™ Speedglas™ Flexview Helmet for use with powered and supplied air can now be used with the V-series supplied air valves: V-100, V-200, V-300 and V-400.

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3M™ Speedglas™ with Supplied Air Respiratory Protection

3M™ Speedglas™ Systems:	Pick Your ADF		
	9000XF Shade 10	9000XF Shade 11	9000XF Shade 12
Fresh-air II Supplied Air Cool-air (CA) System with 9000 HWR Helmet, Part No. 14-5701-00	04-0000-10X	04-0000-11X	04-0000-12X
Fresh-air II Supplied Air Cool-air (CA) System with 9000 HWR Helmet and SideWindows, Part No. 14-5701-00SW	04-0000-10X	04-0000-11X	04-0000-12X
Fresh-air II Supplied Air Temp-air (TA) System with 9000 HWR Helmet, Part No. 14-5801-00	04-0000-10X	04-0000-11X	04-0000-12X
Fresh-air II Supplied Air Temp-air (TA) System with 9000 HWR Helmet and SideWindows, Part No. 14-5801-00SW	04-0000-10X	04-0000-11X	04-0000-12X

Complete 3M™ Adflo™ PAPR Systems

Part No.	Description	Quantity
16-0705-SGXX	3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System, with 3M™ Helmet L-705SG and Wideview Faceshield and 3M™ Speedglas™ Auto-Darkening Filter 9100XX.	1/Case
16-0705-SGX	3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System, with 3M™ Helmet L-705SG and Wideview Faceshield and 3M™ Speedglas™ Auto-Darkening Filter 9100X.	1/Case
16-0705-SGV	3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System, with 3M™ Helmet L-705SG and Wideview Faceshield and 3M™ Speedglas™ Auto-Darkening Filter 9100V.	1/Case
16-0905-SGXX	3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System, with 3M™ Helmet L-905SG and Wideview Faceshield and 3M™ Speedglas™ Auto-Darkening Filter 9100XX.	1/Case
16-0905-SGX	3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System, with 3M™ Helmet L-905SG and Wideview Faceshield and 3M™ Speedglas™ Auto-Darkening Filter 9100X.	1/Case
16-0905-SGV	3M™ Adflo™ Powered Air Purifying Respirator High Efficiency System, with 3M™ Helmet L-905SG and Wideview Faceshield and 3M™ Speedglas™ Auto-Darkening Filter 9100V.	1/Case

All Adflo PAPR systems listed above have an APF of 25.



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Before each use of the product, please inspect for any rips, damages, tears, etc.

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Respiratory Protection Options for Various Welding Applications	Maintenance-Free	Elastomeric Half-Facepiece	Powered Air Loose-Fitting	Supplied Air Elastomeric With Dual Airline	Supplied Air Loose-Fitting
APF ²	10	10	25/1000 ³	50	25/1000 ³
Particles					
General Dust	■	■	■	■	■
Metal Fume					
Steel/Manganese Alloys	■	■	■	■	■
Stainless Steel/Chromium Alloys	■	■	■	■	■
Aluminum	■	■	■	■	■
Galvanized Steel	■	■	■	■	■
Cadmium		■ ⁴	■	■	■
Lead		■ ⁴	■	■	■
Gases					
Ozone	■ ⁵	■ ⁵		■	■
Byproducts of Combustion of Coatings		■ ⁶		■	■
Carbon Monoxide				■	■
Carbon Dioxide				■	■
Phosgene				■	■
Oxides of Nitrogen				■	■

- Assigned Protection Factor (APF) is the level of protection a class of respirator is expected to provide when selected and used properly under real-world conditions. APFs for each respirator class are listed in the table shown. To determine the maximum concentration of a substance in which a respirator can be used, multiply its APF by the exposure limit of the substance. APF ratings assume compliance with all required elements of a Respiratory Protection Program.
- APF = 25 for headgear classified as Loose-fitting. APF = 1000 for headgear classified as Helmets (neck sealing). No fit testing required. Only APF of 25 when used with Adflo.
- OSHA regulations for these contaminants require the use of NIOSH class 100 particle filters (e.g. P100).
- 3M recommended for applications where ozone and nuisance level organic vapors may be present. 3M recommended for ozone protection up to 10 times the OSHA PEL or applicable government occupational exposure limits, whichever is lower. Not NIOSH approved for use against ozone. 3M recommended for relief from nuisance levels of organic vapors. Nuisance level organic vapors refer to concentrations not exceeding the OSHA PEL, or applicable government occupational exposure limits, whichever is lower. Do not use when concentrations of contaminants are immediately dangerous to life and health or are unknown.
- The combustion of metal coatings during welding can produce a wide range of particle and vapor contaminants. Seek the advice of a Certified Industrial Hygienist or other qualified professional when selecting a respirator cartridge for these situations.

⚠ WARNING! See warnings on inside back cover.

3M™ Sorbents



3M™ Sorbents are designed with the *total* cost in mind. By maximizing sorbent capacity, labor, disposal and product, your purchases are minimized—making 3M sorbents the economical choice.

3M sorbent products are designed to sorb a variety of maintenance fluids and lubricants, oil and petroleum-based liquids, a wide range of acids, bases, coolants and other hazardous fluids.

They are lightweight and versatile, and take just minutes to put in place. Sorbents are available in a wide variety of configurations so you can get at the source of the leak or spill quickly.

Maintenance Sorbents



3M™ Maintenance Sorbents are ideal for plant maintenance.

- Versatile

- Takes just minutes to put in place
- Easier cleanup as compared to granules

Petroleum Sorbents



3M™ Petroleum Sorbents are used extensively for controlling, cleaning up, and recovering oil and

petroleum-based liquids from effluent discharge, streams, ponds, lakes, rivers, and other bodies of water.

- Great for in-plant spills under leaking equipment and machinery
- Static resistant petroleum sorbents are also available

Chemical Sorbents



3M™ Chemical Sorbents are powerful enough to handle acids (including hydrofluoric acid), bases, coolants, and most other hazardous fluids.

- Safer choice because they resist reactions with most hazardous chemicals
- Will also sorb petroleum-based fluids, helping reduce storage costs by eliminating the need to stock several different sorbent types for emergency response

Chemical and Petroleum Spill Kits and Response Packs



3M™ Chemical Folded Sorbent Spill Kits are perfect for emergency response flexibility. With all the features of a 3M folded sorbent, they can be used with most hazardous liquids.

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3M™ Software, Fit Test Kits and Training Information



Fit Test Apparatuses and Accessories



3M equipment (FT-10, FT-20, FT-30 and replacement supplies) and procedures provide a simple, direct way to help meet OSHA qualitative fit testing requirements. These products can be used with any

particulate or gas/vapor respirator with a particulate pre-filter to test face-to-respirator seal. The equipment helps satisfy respiratory program requirements, and is easy to use during respiratory training.

The fit test works by spraying a sweet or bitter solution into the hood environment. If the wearer does not detect the test agent's taste, an acceptable fit has been demonstrated.

Health and Safety Software Library

3M has various health and safety software and on-line (3M.com/OccSafety) tools to help you not only select the right type of respirator, but also estimate the service life of 3M™ Respiratory Chemical Cartridges.

Fitting Instruction Videos, Training Programs and Materials

3M offers many programs, materials and services that enable you to administer a respiratory protection program that helps you meet OSHA requirements. We can assist you and your employees by emphasizing the importance of respirator selection, use, proper fitting procedures, and maintenance. 3M offers several videos (some available in Spanish) that cover the selection and use of our respirators. Additionally, 3M provides posters with easy-to-follow instructions so that important information is readily available to all employees.

Quantitative Fit Test Respirators



3M™ Quantitative Fit Test Respirators (8233Q and 8293Q) are products that provide a simple, direct way to help meet OSHA quantitative fit testing requirements. They help satisfy OSHA respiratory protection program requirements and are easily used during respirator training.

Note: These devices are to be used exclusively for quantitative fit testing. Do not use for respiratory protection.

WARNING! See warnings on inside back cover.

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IMPORTANT: 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.

3M™ Respirator Medical Evaluations



3M facilitates convenient products and services to help you achieve regulatory compliance. Our Respirator Medical Evaluations are based on OSHA regulatory compliance requirements to help optimize your compliance testing and tracking.

Respirator Medical Evaluations:
On-Line • Mail-In

On-Line Respirator Medical Evaluations

This easy-to-use questionnaire helps establish the worker's clearance level for using a specific respirator in your work conditions. It can be completed in 15-20 minutes using any computer with internet access, and is available every day, any time, to fit your employees' schedules. Any respirator brand can be used. You'll receive immediate notification of clearance as well as on-line recordkeeping to track employee status. Available in English and Spanish.

Benefits

Convenience

- Evaluation can be used with all brands and types of respirators
- Evaluations can be completed using any computer with internet access

Speed and Productivity

- Most employees do not need to leave the work site
- Employees and employers receive immediate notification of the results
- Clearance letters will be electronically mailed or faxed to the employer, and mailed to the employee

Consistency and Quality

- All employees are evaluated using the same expanded OSHA Respirator Medical Questionnaire
- Provides recordkeeping of employee clearance status
- Board-certified, occupational medicine physicians complete the reviews and, where needed, make recommendations to the employee for further medical testing

Try an on-line
demo at:
respexam.com

For additional information on this service, please visit respexam.com, call 1-800-383-3393 or contact your local 3M sales representative.

3m.com/OccSafety/WorkerSafety

Before each use of the product, please inspect for any rips, damages, tears, etc.

⚠ WARNING! See warnings on inside back cover.

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IMPORTANT: 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.

 <p style="text-align: center;">⚠️ WARNING</p> <p>Respiratory Products (see pages 1-10, 14-30)</p> <p>These respirators help protect against certain airborne contaminants. Before use, the wearer must read and understand the <i>User Instructions</i> 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 OH&ESD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.</p>	<p style="text-align: center;">⚠️ WARNING</p> <p>Eye and Face Products (see pages 35-38)</p> <p>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 <i>User Instructions</i> and warnings on the package or call 3M OH&ESD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414.</p>
<p style="text-align: center;">⚠️ WARNING</p> <p>Air Monitoring Systems (see page 11)</p> <p>Do not use for:</p> <ul style="list-style-type: none"> • Ammonia, carbon monoxide; ethylene oxide; formaldehyde; hydrogen sulfide; isocyanates; methane; ethane; propane; methyl alcohol (methanol); methyl chloride; methyl, dimethyl, trimethyl amines; organic solids; sulphur dioxide • Reactive or polar compounds such as amines, phenols, aldehydes and low molecular weight alcohols • Extremely low concentrations within a sampling period of less than 8 hours • Particulates • Ethylene Oxide can be monitored using 3M™ 3550/3551 Ethylene Oxide Monitor. Formaldehyde can be monitored using 3M™ 3720/3721 Formaldehyde Monitor. 	<p style="text-align: center;">⚠️ WARNING</p> <p>Hard Hats (see page 38)</p> <p>These hard hats provide limited protection only. Misuse or failure to follow warnings and User Instructions may result in serious personal injury or death. For proper use, see supervisor, or <i>User Instructions</i>, or call 3M OH&ESD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414.</p> <p>Bumpcaps do not provide protection against impact from falling or glancing objects nor do they protect against electrical hazards. Bumpcaps do not meet the requirements of ANSI Z89.1. When head protection is required, wear a protective hard hat or helmet that meets the requirements of ANSI Z89.1 2003.</p>
<p style="text-align: center;">⚠️ WARNING</p> <p>Detection Products (see pages 12-13)</p> <p>These instruments help monitor for the presence and concentration level of certain specified airborne gases. Misuse may produce an inaccurate reading which means that higher levels of the gas being monitored may be present and could result in overexposure and cause sickness or death. For instruments with an oxygen sensor installed, misuse may produce an inaccurate reading where lower or higher levels of oxygen may be present and cause sickness or death.</p> <p>Each person using this equipment must read and understand the information in the <i>User Instructions</i> before use. Use of this equipment by untrained or unqualified persons, or use that is not in accordance with the <i>User Instructions</i>, may adversely affect product performance and result in sickness or death. For proper use, see supervisor or <i>User Instructions</i>, or call 3M OH&ESD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414.</p>	<p style="text-align: center;">⚠️ WARNING</p> <p>Fall Protection Products (see pages 41-46)</p> <p>Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest. Users must read and understand the <i>User Instructions</i> provided with the product and be properly trained by their employer prior to use per OSHA 1910.66 and 1926.503 or applicable local standards. Misuse or failure to follow warnings and instructions may result in serious personal injury or death. For proper use, see supervisor, <i>User Instructions</i>, or call Technical Service at 1-800-560-1094.</p>
<p style="text-align: center;">⚠️ WARNING</p> <p>Thermal Imaging (see page 11)</p> <p>Each person using this equipment must read and understand the information in the <i>User Instructions</i> before use. Use of this equipment by untrained or unqualified persons, or use that is not in accordance with the <i>User Instructions</i>, may adversely affect product performance and result in sickness or death. For proper use, see supervisor or <i>User Instructions</i>, or call 3M in USA at 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.</p>	<p style="text-align: center;">⚠️ WARNING</p> <p>Welding Helmets (see pages 47-53)</p> <p>This product is designed to help protect the wearer's eyes and face from harmful radiation including visible light, ultra-violet radiation (UV), infra-red radiation (IR), sparks and spatter resulting from welding processes. These products must be used only by qualified persons who are properly trained in their use and maintenance. Misuse may result in permanent eye injury and vision loss. Always wear ANSI Z87.1 compliant safety spectacles in addition to any welding helmet. For proper use, see supervisor, or <i>User Instructions</i> or call 3M in USA at 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.</p>
<p style="text-align: center;">⚠️ WARNING</p> <p>Hearing Protection Products* (see pages 31-34)</p> <p>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, <i>User Instructions</i>, or call 3M in USA 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 earplugs. Failure to do so may result in hearing loss or injury.</p>	<p style="text-align: center;">⚠️ WARNING</p> <p>Sorbent Products (see page 54)</p> <p>Failure to properly handle and dispose of sorbents contaminated by hazardous materials can result in serious physical injury or death and/or environmental harm. For proper handling, consult the Material Safety Data Sheet for the material absorbed, applicable safety and health standards, contact your supervisor, or call 3M OH&ESD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414.</p>
<p>NRR footnote *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.</p>	<p style="text-align: center;">Visit our website to find more information on:</p> <ul style="list-style-type: none"> • Training and Tools • Tech Bulletins • Where to Buy • MSDS • What's New • Subscribe to our safety newsletter and much more! <p style="text-align: center; font-size: 1.2em; color: blue;">3M.com/OccSafety/WorkerSafety</p>

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Products

Training Services

For More Information

In U.S.

Technical Assistance 1-800-243-4630

Hours of Operation: 8:00 a.m. - 4:30 p.m. CST

Customer Care Center 1-800-328-1667

Hours of Operation: 7:00 a.m. - 5:00 p.m. CST

Internet

3M.com/OccSafety/WorkerSafety

In Canada

Technical Assistance 1-800-267-4414

Customer Care 1-800-364-3577

Internet

3M.CA/Safety



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