Solutions for Worker Safety

3M Innovation
# Particulate Respirators

<table>
<thead>
<tr>
<th>Product# /Fax-On-Demand#</th>
<th>Classification</th>
<th>Suggested Applications</th>
<th>3M™ Cool Flow™ Valve</th>
<th>M-Nose Clip</th>
<th>Face-Seal</th>
<th>Advanced Electret Media</th>
<th>Carbon Filter Material*</th>
<th>Cake Resistant Media</th>
<th>Adjustable Straps*</th>
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**WARNING!** See warnings on back cover.
### 3M™ Particulate Respirators

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<thead>
<tr>
<th>Product# /Fax-On-Demand#</th>
<th>Classification</th>
<th>Suggested Applications</th>
<th>3M™ “Cool Flow” Valve</th>
<th>M-Nose Clip</th>
<th>Advanced Electret Media</th>
<th>Carbon Filter Material*</th>
<th>Cake Resistant Media</th>
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*AG = 3M recommended nuisance level acid gas relief (nuisance levels are less than OSHA PEL)  
OV = 3M recommended nuisance level organic vapor relief (nuisance levels are less than OSHA PEL)  
OZ = 3M recommended for ozone protection up to 10X OSHA PEL

#### Patented Technologies

- **Cool Flow™ Exhalation Valve.** Patented one-way valve for easy exhalation and cool, dry comfort.
- **M-noseclip.** Adjusts easily for fewer pressure points and greater comfort.
- **Faceseal.** Soft and secure, conforms closely to face for long-lasting comfort.
- **Electret Media.** Advanced electrostatically charged microfibers help make breathing easier and cooler.
- **Carbon filter material.** Carbon layers remove many nuisance odors* for greater wearer comfort.
- **Cake-resistant filter media.** Specially designed filter layers provide longer respirator life and easier breathing.
- **Adjustable buckle straps.** A single tug helps provide a comfortable, secure fit.
- **P-series filter.** Featuring Advanced Electret Media, appropriate for prolonged use in both oil and non-oil containing environments.
- **Compatibility.** Accommodates a wide range of safety equipment, including eye and hearing protection.

⚠️ **WARNING!** See warnings on back cover.
The innovative design of 3M™ Half Facepiece Respirators, 5000 Series makes them an easy, economical way to help ensure 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.

Features & Benefits
- 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 either 3M™ Filters P95 or P100 along with 3M™ Filter Retainers 501 or 3M™ Filter Adapters 502.

WARNING !
These respirators help reduce exposure to certain airborne contaminants. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.

Suggested Industries/Applications
- Paint spraying
- Intermittent respirator users
- Plant visitors
- Petrochemical
- Plant turnaround
- Pharmaceutical
- Chemical manufacturing
- Nuclear
3M™ Half Facepiece Respirators 5000 Series

Respirators

5101 (S) 5103 (S) 5106 (S)
5201 (M) 5203 (M) 5206 (M)
5301 (L) 5303 (L) 5306 (L)

OV OV/AG Multi-Gas/Vapor

Filters

5N11 5P71 2071 2091 7093
N95 Filter P95 Filter P95 Filter P100 Filter P100 Filter

502 Filter Adapter

Filter Retainer & Adapter

501 Filter Retainer AAD#07054

Assemblies

51P71 (S) 52P71 (M) 53P71 (L)
P95/OV P95/OV P95/OV
P95/AG AAD#07191 (S) #07192 (M) #07193 (L)

P100/OV P100/OV P100/OV/AG

P100/OV

P100/AG

P100/Multi-Gas/Vapor

OV = NIOSH approval: Certain organic vapors.
OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride.

Multi-Gas/Vapor = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only) ammonia/methylamine, formaldehyde** or hydrogen fluoride.
P95/OV = NIOSH approval: P95/certain organic vapors.
P100/OV = NIOSH approval: P100/certain organic vapors.
P100/OV/AG = NIOSH approval: P100/certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride.
P100/Multi-Gas/Vapor = NIOSH approval P100/certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only) ammonia/methylamine, formaldehyde** or hydrogen fluoride.

** OSHA regulations require that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.
The 3M™ Half and Full Facepiece Respirators, 6000 Series, 7000 Series and 7500 Series make it easy for a company to standardize on one brand of respirators. These respirators use interchangeable filters and cartridges, minimizing the number of parts your facility needs to stock. They are versatile enough to meet all your current and future respirator needs. These products offer unique benefits, without limiting wearer comfort. All are available in three sizes to fit many faces, making the respirator brand standardization decision simple—3M!

6000 Series
- Lightweight, durable material enhances wearer comfort.
- Limited spare parts offering reduces worker involvement in maintenance.
- Economical solution to respiratory protection.

7000 Series
- Full array of spare parts makes this product a cost effective respirator solution.
- Soft silicone faceseal for maximum wearer comfort.
- Versatile facepiece that can be worn as both an air purifying and supplied air respirator.
- Full facepiece also available with the 7990 clip-on welding shield with optional 7991 electronic lens.

7500 Series
- Ultimate reusable for comfort and durability.
- Advanced silicone material provides a softer feel on the face.
- Unique 3M™ Cool Flow™ Exhalation Valve reduces heat and moisture build-up in the facepiece.

Suggested Industries/Applications
- Painting
- Welding
- Abatement
- Metal working
- Automotive manufacturing
- Chemical manufacturing
- Pharmaceutical manufacturing
- Petrochemical
- Nuclear
- Utilities
- Wood working
- Asbestos exposures
- Battery manufacturing

WARNING!
These respirators help reduce exposure to certain airborne contaminants. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.

Fax on Demand: 1-800-646-1655
6000 Series: Document #4017
6000 Drop Down Series: Document #4042
7000 Series Half Facepiece: Document #4018
7990 Clip-on Welding Shield
3M™ Half and Full Facepiece Respirators 6000 Series and 7000 Series

Elastomeric Facepiece Respirators

60921 P100/OV
60922 P100/AG
60923 P100/OV/AG
60924 P100/AM/MA
60925 P100/Form
60926 P100/Multi Gas
60927 P100/Merc

OV = NIOSH approval: Certain organic vapors.
AG = NIOSH approval: Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only).
OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only).

Filter Retainer & Adapter

502 Filter Adapter

501 Filter Retainer AAD#07054

5N11 N95 Filter

5P71 P95 Filter AAD#07194

2071 P95 Filter

2076* HF/P95 Filter

2078** P95 Filter

2091 P100 Filter

2096*** P100 Filter

2097**** P100 Filter

7093 P100 Filter

6001 OV

6002 AG

6003 OV/AG

6004 AM/MA

6005 Form

6006 Multi Gas

6007 Merc

6008 Multi-Gas/Vapor

AAD#07046

AAD#07047

AAD#07184

AAD#07185

AAD#07186

AAD#07187

AAD#07188

AAD#07189

Other Automotive Aftermarket Products Available:

Paint Spray Packouts (S, M, L): #07177; #07178; #07179
Bodyman and Brake Packouts (S, M, L): #07181; #07182; #07183
Full Facepiece 6000 Series OV/P95 Packouts (S, M, L): #07161; #07162; #07163
R-6022 Replacement Packouts OV/P95 #07195

Multi-Gas/Vapor = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/ methylamine, formaldehyde** or hydrogen fluoride.

Merc = NIOSH approval: Mercury vapor or chlorine gas.

** OSHA regulations require that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.

3M Automotive Aftermarket Division Product Numbers are found in blue type on select products
# Full Facepiece Respirators for Powered and Supplied Air

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<tr>
<th><strong>3M™ 6000 Series</strong></th>
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<tr>
<td><strong>Headgear</strong></td>
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<td>6700 (S)</td>
<td>7800S (S)</td>
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<td>6800 (M)</td>
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<td>6900 (L)</td>
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<td>Air-Mate™ SCBAG™ SCBA</td>
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<td>Air-Mate™ 2000</td>
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Headgear for Powered and Supplied Air

Positive Pressure Respirator System Categories
The photos and descriptions below are an overview of the different headgear systems that 3M offers. Each has distinctive features that may best suit your needs. Find the unit that best matches your requirements and review the charts on the following pages to help guide your selection process.

Helmets and Loose-Fitting Facepieces
3M™ L-Series Headgear, see pages 8 and 9
3M™ R-Series Headgear, see page 10
3M™ R-Series Air Crown Headgear, see page 10
3M™ Whitecap™ Helmets, see page 8

Hoods and Head Covers
3M™ H-Series, see page 11
3M™ R-Series, see page 11

Facepieces
See pages 2-6

Loose-Fitting Headgear
- Hardhat bumpcap options
- Can be worn with glasses
- No fit testing required
- Assigned protection factor of 25 X PEL
- Liftable lens
- Ratchet head suspension on most models
- Can be worn with limited facial hair**
- See pages 8, 9 and 10

Tight-Fitting Facepieces
- Available in three sizes
- Low profile for good visibility
- Use in negative or positive pressure applications
- Assigned protection factor up to 1000 X PEL
- Comfortable face seals
- See pages 2-6

Helmets
- Hardhat protection
- Accommodates facial hair and beards**
- Can be worn with glasses
- No fit testing required
- Assigned protection factor of 1000 X PEL
- Liftable lens
- See pages 8 and 9

Headcovers
- No fit testing required
- Lightweight
- Can be worn with glasses
- Assigned protection factor of 25 X PEL
- Tychem® QC material
- Can be worn with limited facial hair**
- See page 11

Hoods
- Accommodates facial hair and beards**
- Hardhat options
- No fit testing required
- Lightweight
- Can be worn with glasses
- Assigned protection factor of 1000 X PEL
- Tychem® QC and Tychem® SL materials
- See page 11

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

WARNING!
These respirators help reduce exposure to certain airborne contaminants. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.
## Headgear

### Helmets and Loose-Fitting Facepieces/L-Series Headgear and Whitecap™ Helmet

**For Grinding/Sanding/Painting and Other Non-Welding Applications**

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<th>Can Be Worn With Beard**</th>
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<th>Meets ANSI Hardhat Requirements</th>
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<td>• Ratchet head suspension</td>
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<td>• Liftable lens</td>
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<tr>
<td>*Accessories: L-133-100; L-182; L-183; L-125-5</td>
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<td>W-8100 Whitecap™ Helmet Abrasive Blasting Assembly</td>
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<td>✓</td>
<td></td>
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<tr>
<td>• Double shroud system distributes air over the upper torso, providing additional comfort</td>
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<tr>
<td>• Adjustable ratchet suspension</td>
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<td>• Easily replaceable lens cover cartridge</td>
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</tbody>
</table>

*Accessory/Spare Part descriptions are found on page 12.

**Providing the facial hair does not protrude under the faceseal or shroud.
### 3M™ Headgear

#### 3M™ Helmets and Loose-Fitting Facepieces/L-Series Headgear

**For Welding or Welding/Grinding Applications**

<table>
<thead>
<tr>
<th>Features &amp; Benefits</th>
<th>Can Be Worn With Limited Facial Hair**</th>
<th>Can Be Worn With Beard**</th>
<th>Meets ANSI Face Shield Requirements</th>
<th>Meets ANSI Hardhat Requirements</th>
<th>Supplied Air Only</th>
<th>PAPR or Supplied Air Protection Factor (X PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available with autodarkening lens</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Available with welding bib</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>25</td>
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<tr>
<td>Lightweight, comfortable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>25</td>
</tr>
<tr>
<td>Liftable lens</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>25</td>
</tr>
<tr>
<td>Weld shield only</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>25</td>
</tr>
</tbody>
</table>

*Spare Parts: L-156; L-182; L-124

#### L-503 Bumpcap

- Available with autodarkening lens
- Available with welding bib
- Lightweight, comfortable
- Liftable lens
- Weld shield and wide-view lens

*Spare Parts: L-156; L-182; L-124

#### L-505 Bumpcap

- Available with autodarkening lens
- Available with welding bib
- Lightweight, comfortable
- Liftable lens
- Weld shield only

*Spare Parts: L-156; L-182; L-124

#### L-703 Hardhat

- Available with autodarkening lens
- Available with welding bib
- Lightweight, comfortable
- Liftable lens
- Weld shield and wide-view lens

*Spare Parts: L-156; L-182; L-124

#### L-705 Hardhat

- Available with autodarkening lens
- Available with welding bib
- Lightweight, comfortable
- Liftable lens
- Weld shield and wide-view lens

*Spare Parts: L-156; L-182; L-124

#### L-905 Helmet

- Available with autodarkening lens
- Available with welding shroud
- Lightweight, comfortable
- Weld shield and wide-view lens

*Spare Parts: L-156; L-182; L-127

* Accessory/Spare Part descriptions are found on page 12.
** Providing the facial hair does not protrude under the face seal or shroud.
## Features & Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Can Be Worn With Limited Facial Hair</th>
<th>Meets ANSI Face Shield Requirements</th>
<th>Meets ANSI Hardhat Requirements</th>
<th>Supplied Air Only</th>
<th>PAPR or Supplied Air</th>
<th>PAPR Only</th>
<th>Protection Factor (X PEL)</th>
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<tbody>
<tr>
<td>Meets ANSI hardhat requirements</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
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<td>25</td>
</tr>
<tr>
<td>Liftable lens</td>
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<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>25</td>
</tr>
<tr>
<td>Lightweight, comfortable</td>
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<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>25</td>
</tr>
<tr>
<td>Available in white or black</td>
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<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>25</td>
</tr>
<tr>
<td>*Accessories: AS-131-10; 529-02-37R10; 527-01-15R10</td>
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<td>✗</td>
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- **R-Series: General Purpose Headgear**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Can Be Worn With Limited Facial Hair</th>
<th>Meets ANSI Face Shield Requirements</th>
<th>Meets ANSI Hardhat Requirements</th>
<th>Supplied Air Only</th>
<th>PAPR or Supplied Air</th>
<th>PAPR Only</th>
<th>Protection Factor (X PEL)</th>
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</thead>
<tbody>
<tr>
<td>Welding and grinding shield</td>
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<td>✗</td>
<td>✗</td>
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<td>✗</td>
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<tr>
<td>Autodarkening lens available</td>
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<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>25</td>
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<tr>
<td>Well balanced</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
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</tr>
<tr>
<td>Meets ANSI hardhat requirements</td>
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<tr>
<td>*Accessories: 061-32-04R10; 527-01-24R10; 522-02-30R01 Autodarkening lens</td>
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</table>

- **R-Series: Welding Headgear**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Can Be Worn With Limited Facial Hair</th>
<th>Meets ANSI Face Shield Requirements</th>
<th>Meets ANSI Hardhat Requirements</th>
<th>Supplied Air Only</th>
<th>PAPR or Supplied Air</th>
<th>PAPR Only</th>
<th>Protection Factor (X PEL)</th>
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<td>Ratchet head suspension</td>
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<td>✗</td>
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<td>Wide viewing area</td>
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<td>Large and small facescale options</td>
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<td>*Accessories: 520-02-34; 527-01-27R10; 527-01-28R10; 529-02-36R10</td>
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<td>✗</td>
<td>✗</td>
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</tbody>
</table>

- **Air Crown Assembly**

*Accessory/Spare Part descriptions are found on page 12.

**Providing the facial hair does not protrude under the facescale or shroud.
3M™ Headgear

3M™ Hoods and Headcovers

These NIOSH-approved hoods and headcovers offer superior comfort in many different work environments. They are lightweight and loose-fitting. Loose-fitting hoods offer a protection factor of 1000 X PEL and headcovers offer a protection factor of 25 X PEL. Choose the hood or headcover that best meets your needs.

<table>
<thead>
<tr>
<th>Available in Hardhat</th>
<th>Built-in Suspension</th>
<th>Inner Shroud Option</th>
<th>Collar Option</th>
<th>Approved With PAPR</th>
<th>Approved with Supplied Air</th>
<th>Protection Factor (X PEL)</th>
<th>Can Be Worn With Beard*</th>
<th>Chemical Resistant</th>
<th>Suggested Applications</th>
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<tr>
<td>✓</td>
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<td>Air-Mate™</td>
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<td>• Laboratory</td>
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<td></td>
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<td>• Health care</td>
</tr>
</tbody>
</table>

* Accessory/Spare Part descriptions are found on page 12.
** Providing the facial hair does not protrude under the face seal or shroud.
The following is a brief description of the accessories and spare parts referred to on pages 8-11.

### 3M™ Helmets and Loose-Fitting Facepieces/L-Series Headgear and Whitecap™ Helmet

**Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Packaging</th>
<th>UPC Code</th>
<th>National Stock #</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-125-5</td>
<td>Shroud, Flame Retardant</td>
<td>5 pack</td>
<td>5 00 51138 66119 4</td>
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<tr>
<td>L-133-100</td>
<td>Lens Cover AAD#37015</td>
<td>100 pack</td>
<td>5 00 51138 66128 6</td>
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<tr>
<td>L-182</td>
<td>Air Deflector</td>
<td>1 pack</td>
<td>5 00 51138 66372 2</td>
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<tr>
<td>L-183</td>
<td>Headgear Cover AAD#37017</td>
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<td>5 00 51138 66391 4</td>
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<tr>
<td>W-8045-250</td>
<td>Face Shield Covers (Clear)</td>
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<td>0 00 51138 21485 2</td>
<td>4240-01-247-8251</td>
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<tr>
<td>W-8052</td>
<td>Shroud Assembly, Extended Length</td>
<td>1 pack</td>
<td>0 00 51138 21297 1</td>
<td>4240-01-247-2925</td>
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**Spare Parts**

<table>
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<th>Description</th>
<th>Packaging</th>
<th>UPC Code</th>
<th>National Stock #</th>
</tr>
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<tr>
<td>L-124-5</td>
<td>Faceseal, Flame Retardant</td>
<td>5 pack</td>
<td>5 00 51138 66118 7</td>
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<tr>
<td>L-127</td>
<td>Leather Welding Shroud</td>
<td>1 pack</td>
<td>0 00 51138 66121 2</td>
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<td>L-156</td>
<td>Electronic Lens and Adapter</td>
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<td>0 00 51138 66144 1</td>
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<td>L-182</td>
<td>Air Deflector</td>
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<td>5 00 51138 66372 2</td>
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### 3M™ R-Series Headgear

**Accessories**

<table>
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<th>Model</th>
<th>Description</th>
<th>Packaging</th>
<th>UPC Code</th>
<th>National Stock #</th>
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</thead>
<tbody>
<tr>
<td>AS-131-10</td>
<td>Anti-Fog, Anti-Scratch Visor</td>
<td>10 pack</td>
<td>5 00 51131 52565 3</td>
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<tr>
<td>061-32-04RD1</td>
<td>Anti-Splatter Lens</td>
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<td>0 00 51138 72259 3</td>
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<tr>
<td>520-02-34</td>
<td>Faceshield w/Stud</td>
<td>1 pack</td>
<td>0 00 51138 72406 1</td>
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<td>Autodarkening lens</td>
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</tr>
<tr>
<td>527-01-15R10</td>
<td>Disposable Faceseal, Tychem® QC</td>
<td>10 pack</td>
<td>5 00 51138 72099 0</td>
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</tr>
<tr>
<td>527-01-24R10</td>
<td>Neck Protector, Nomex®</td>
<td>10 pack</td>
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<td>527-01-27R10</td>
<td>Face Seal, Large</td>
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<td>527-01-28R10</td>
<td>Face Seal, Regular</td>
<td>10 pack</td>
<td>5 00 51138 72516 2</td>
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<td>529-02-36R10</td>
<td>Lens covers (not shown)</td>
<td>10 pack</td>
<td>5 00 51138 72102 7</td>
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</tbody>
</table>

### 3M™ Hoods and Headcovers

**Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Packaging</th>
<th>UPC Code</th>
<th>National Stock #</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-111-100 AAD#37043</td>
<td>Face Shield Cover</td>
<td>100 pack</td>
<td>5 00 51138 66087 6</td>
<td>N/A</td>
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<tr>
<td>H-410-10 AAD#37037</td>
<td>Hood w/ Collar, Tychem® QC</td>
<td>10 pack</td>
<td>5 00 51138 66095 1</td>
<td>N/A</td>
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<tr>
<td>H-420-10</td>
<td>Hood w/ Inner Shroud, Tychem® QC</td>
<td>10 pack</td>
<td>5 00 51138 66098 2</td>
<td>N/A</td>
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<tr>
<td>H-610-5</td>
<td>Sealed-Seam Hood w/ Collar, Tychem® SL</td>
<td>5 pack</td>
<td>0 00 51138 76550 7</td>
<td>N/A</td>
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<tr>
<td>H-620-5</td>
<td>Sealed-Seam Hood w/ Inner Shroud, Tychem® SL</td>
<td>5 pack</td>
<td>0 00 51138 76550 7</td>
<td>N/A</td>
</tr>
<tr>
<td>529-02-37R10</td>
<td>Protective Overlay</td>
<td>10/pack</td>
<td>0 00 51138 72461 0</td>
<td>N/A</td>
</tr>
</tbody>
</table>
A PAPR is a motorized respirator system that uses a fan to deliver filtered air into a hood, helmet or facepiece. There are many different PAPR configurations available. PAPR systems include a motor blower unit, a headpiece, a battery and (usually) a breathing tube. Depending on the working environment, select the PAPR style that best meets your needs.

**WARNING!**

These respirators help reduce exposure to certain airborne contaminants. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.

**Belt-Mounted Powered Air Purifying Respirators**

A belt-mounted powered air purifying respirator is a motorized blower unit worn at the waist, that can deliver filtered air into a hood, helmet or facepiece. There are several belt-mounted PAPRs in the 3M line. The motor is typically powered by a NiCd battery. Two of the belt-mounted units allow the wearer to choose from a wide selection of filters that offer flexibility and freedom to work in a variety of industrial environments (organic vapor, acid gas, formaldehyde, ammonia, high efficiency particulate filter, and more). There are other belt-mounted PAPR solutions that offer a compact, single high efficiency particulate filter. These systems are compatible with many different styles of headgear ranging from lightweight hoods, hardhats, helmets and half and full facepiece respirators. You build the system that best fits your needs.

**Face-Mounted Powered Air Purifying Respirator**

These systems feature a motor blower and high efficiency particulate filter mounted on a full facepiece. The NiCd battery is worn on the belt. These compact models offer great balance and a secure fit for the wearer. Face-mounted PAPRs are popular where space is limited and a low-profile is desirable. The high efficiency particulate filter can be used in environments with particulate contaminants such as dusts, mists, fumes and radionuclides. It is ideal for asbestos, lead and other hazardous particulate environments. The W-3265S or W-3275S full facepiece can be equipped with a welder’s face shield and an autodarkening welding lens.

**Headgear-Mounted Powered Air Purifying Respirator**

These products combine respiratory protection with face shield and hard hat protection. The motor blower and high efficiency particulate filter are built into the headgear. This is an easy-to-use product that requires little maintenance and offers great mobility and protection.

**Vehicle-Mounted Powered Air Purifying Respirator**

The vehicle-mounted PAPR combines the simplicity and variety of the 3M GVP belt-mounted PAPRs with the ability to use a vehicle’s power source. The easy to install bracket allows the PAPR to be mounted on the vehicle, rather than on the worker’s waist, allowing for greater comfort, freedom and reduced fatigue. This system is popular in pesticide spraying, foundry/steel work, crane operation, landfill and many other applications.
## Powered Air Purifying Respirators

### 3M™ Belt-Mounted PAPR Motor Blower Assemblies

- **GVP PAPR**
  - High levels of airflow
  - Contoured to fit well
  - Eight hour battery
  - Intrinsically safe
  - Choose from a wide selection of cartridges
  - Inlet and outlet plugs to allow blower unit to be completely sealed for decontamination

- **Air-Mate™ PAPR**
  - Lightweight
  - Filter and battery are enclosed in single unit
  - Up to eight hours of battery service per charge
  - Choice of Tychem® hood or Tychem® QC head cover
  - High efficiency particulate filter only

- **Breathe Easy™**
  - Eight hour battery
  - Comfortable to wear
  - Wide variety of headgear
  - Intrinsically safe option
  - Choose from a wide selection of cartridges

### 3M™ Face-Mounted PAPRs

- **6800PF, 6900PF**
  - Powerflow™ PAPR
  - Economical
  - On/Off battery switch
  - Easy to remove motor blower
  - Easy to decontaminate
  - High efficiency filter
  - Intrinsically safe
  - Three sizes (S, M, L)

- **W-3265S PAPR**
  - Two sizes (M, L)
  - Low profile
  - Intrinsically safe
  - Filter cover
  - High efficiency filter

- **W-3275S PAPR**
  - Welder’s face shield
  - Two sizes (M, L)
  - Low profile
  - Intrinsically safe
  - Filter cover
  - High efficiency filter

### 3M™ Helmet-Mounted PAPRs

- **Airstream™ AS-200LBC**
  - Four-hour battery
  - Non-Intrinsically safe
  - Lightweight and well balanced
  - High efficiency filter
  - Hard hat approved

- **Airstream™ AS-400LBC**
  - 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

- **Airstream™ 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™ Vehicle-Mounted PAPRs

- **GVP-VM PAPR**
  - Allows a PAPR to use the battery power of tractors, bulldozers, cranes or other vehicles
  - NIOSH-approved with a variety of facepieces, headgear, cartridges and filters
  - Easy-mounting motor blower
3M™ GVP-Series Belt-Mounted PAPR

Loose-Fitting Headgear

- L-501
- L-503
- L-505
- L-701
- L-703
- L-705
- L-901
- L-905

Headgear

- Helmets

- L-501 L-503 L-505 L-701 L-703 L-705 L-901 L-905

Hoods

- H-400 Series AAD#07030
- H-600 Series AAD#07044

Facepieces

- 6700DIN (S)
- 6900DIN (M)
- 6900DIN (L)

- 7800S (S)
- 7800S (M)
- 7800S (L)

GVP-1 includes all components shown.

GVP-1

- GVP-100 Motor Blower
- GVP-101 Power Cord
- GVP-110 Power Cord
- GVP-111 Battery Pack
- GVP-127 Waist Belt
- GVP-128 Battery Charger
- GVP-129 Flow Meter

CB-1000 Optional adjustable comfort belt (26-54 in.)

AAD#37008

AAD#37012

GVP-122

Hood L-122

GVP-123

Filters and Cartridges

- GVP-401 Organic Vapor Cartridge
- GVP-402 Acid Gas Cartridge
- GVP-403 Organic Vapor, Acid Gas Cartridge
- GVP-404 Ammonia Cartridge
- GVP-405 Formaldehyde Cartridge
- GVP-440 HEPA Filter
- GVP-441 Organic Vapor/HEPA Cartridge
- GVP-442 Acid Gas/HEPA Cartridge
- GVP-443 Organic Vapor, Acid Gas/HEPA Cartridge
- GVP-444 Ammonia/HEPA Cartridge
- GVP-445 Formaldehyde/HEPA Cartridge

Specifications

Weight
- GVP-100 motor blower: 1.1 lbs (0.5 kg).
- GVP-111 Battery Pack: 2.5 lbs (1.12 kg).
- Service time: after 14-16 hrs charge, up to 8 hrs.
- Charging time: 14-16 hrs, 20 hrs initial.

Motor Life
- Approximately 2,000 hrs (depending on use conditions).

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).
Breathe Easy™ Belt-Mounted PAPR Systems

Headgear
520-01-83R01 (White) 520-01-84R01 (Black)
520-03-99R01
522-01-11R03 (Regular) 522-02-17R03 (Large)
522-02-23R01
522-02-00R03 (Regular, White) 522-02-01R03 (Large, White) 522-02-02R03 (Regular, Blue) 522-02-03R03 (Large, Blue)
055-00-01R01
6700 DIN (S) 6900 DIN (L)

Breathing Tube
526-01-13R01 (Standard, 17.5 in.) 526-01-10R01 (Optional 14 in.)
520-01-41R01 (Standard, 17.5 in.) 520-01-03R01 (Optional 14 in.)
520-01-00R01 (Standard, 36 in.) 520-02-94R01 (Optional 26 in.)
520-03-32R01 (Standard, 33 in.) 520-01-80R01 (Optional 25 in.)
520-01-77 (Standard, 34 in.)

Turbo PAPR Assembly
520-17-00 includes:
- Motor Blower 022-00-03R01
- Battery Pack (Blue) 520-01-17R01
- Belt 520-02-90R01
- Flow Meter 520-01-21
520-15-00 includes:
- Motor Blower 022-00-03R01
- Battery Pack (Black) 520-01-15R01
- Belt 520-02-90R01
- Flow Meter 520-01-21

Canisters/Cartridges/ Filters
OV (A) 456-00-01R06
OV/AG1 (AE) 456-03-01R06
AG1/FORM (E) 456-02-01R06
AMM (K) 456-01-01R06
HEPA (P3) 450-00-01R12
FR-40* 453-03-03R06
FR-57** 453-03-02R06***
OV/HEPA (AP3) 453-00-01R06***
OV/AG1/HEPA (AP3) 453-03-01R06***
OV/AG1/HEPA (ALP3) 453-07-01R06
AG/FORM/HEPA (EP3) 453-01-01R06
AMM/HEPA (KP3) 453-02-01R06
* FR-40 to be used with Breathe Easy™ 7 or 6000DIN RRPAS™.
**FR-57 to be used with Breathe Easy™ 7, 6000DIN or BE10.
***Butyl Rubber Hood approved with these cartridges only.

Specifications
Weight
- Unit without filter/cartridge: approx 1.8 lb.
Battery Pack
- Battery pack (NiCd): approx 1.8 lb.
- Battery pack (Lithium): approx 1.0 lb.
- Battery life: up to 500 charge cycles.

Quotations
AG1 = Chlorine, hydrogen chloride and sulfur dioxide. AG2 = Sulfur dioxide. AMM = Ammonia/methylamine

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3M™ Air-Mate™ HEPA Belt-Mounted PAPR Systems

**Headgear**
- R-Series (BE12) Tychem® QC Head Cover
  - 522-02-00R03 (Regular, White)
  - 522-02-01R03 (Large, White)
- R-Series (BE12) Tychem® QC Head Cover
  - 522-02-02R03 (Regular, Blue)
  - 522-02-03R03 (Large, Blue)
- R-Series (BE10) Tychem® QC Hood
  - 522-01-11R03 (Regular)
  - 522-02-17R03 (Large)

**Breathing Tube**
- 008-00-14R01

**HEPA PAPR Assembly**
- 231-01-30 Includes:
  - Air Filter Unit 520-03-63R01
  - Battery Pack 007-00-15R01
  - HEPA Filter 451-02-01R01
  - Belt 021-41-02R01
  - Airflow Indicator 021-14-00R01

**Battery Charger**
- 520-03-73 Single Battery Unit
- 520-03-72 Five Battery Unit
- 520-01-61 Ten Battery Unit

**Specifications**

_Weight_
- PAPR: Approx. 1.1 lbs.
- Battery pack: Approx. 1.7 lbs.

_Battery Pack_
- Rechargeable NiCd. Up to 8 hours per charge.
Supplied Air Respirators

Choose an Air Delivery Method

**High Pressure (plant air)**
You can filter and regulate your plant air with an air purification panel to deliver clean air to workers.

- High Pressure:
  - Gives the worker many configurations of headgear, regulators, and hoses.
  - Allows the worker to heat or cool the air by as much as 50 degrees.
  - Is regulated at 25 to 125 psi.

**Low Pressure (ambient air pump)**
Low pressure pumps can be used to deliver air—similar to high pressure—to the worker. The primary difference is that low pressure pumps are designed to be portable and normally deliver air to one to two workers without cooling or heating options. They are appropriate when plant air is not available.

Low pressure respirators typically require 4 to 17 psi.

**Cylinder (bottled air)**
This is another high pressure method of air delivery to a respirator. Cylinders are often used with pressure demand respirators. In a continuous flow mode, the cylinders are emptied very quickly. Cylinders are used when plant air is not available or for confined spaces with a backup escape bottle.

**Supplied Air Respirators**

**NOTE:** This is an abbreviated overview of 3M supplied air respirators. These respirators require a sophisticated selection process. For more information, visit our web site, or call us.

**WARNING!**
These respirators help reduce exposure to certain airborne contaminants. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.

*Employer must ensure grade D or better.*

For an overview of headgear used with supplied air respirators, review pages seven through 12 of this document.

**What is a Supplied Air Respirator?**
Supplied Air Respirators are designed to deliver clean air to the worker. The air can be supplied from a high pressure compressor (breathable plant air), low-pressure pumps, or cylinders (bottled air). This clean air can be delivered to hoods, helmets, full facepieces, half facepieces and loose-fitting facepieces.

Supplied air respirators offer many advantages 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, productivity and protection.

For an overview of headgear used with supplied air respirators, review pages seven through 12 of this document.
3M™ Supplied Air Respirators

Loose-Fitting Headgear

- L-501
- L-503
- L-505
- L-701
- L-703
- L-705
- L-901
- L-905

Hoods

- H-400 Series
  - AAD#07030
- H-600 Series
  - AAD#07044
- W-8100/W-8100B
  - Abrasive Blasting

W-Series Helmets

- W-8003
- W-5114

Breathing Tube

- L-122
  - AAD#37012
- W-5114
  - AAD#07031
- W-8003
  - Breathing Tube

Air Control Device

- V-100°
  - Vortex Cooling Assembly
- V-200°
  - Vortemp™ Heating Assembly
- V-300°
  - Low Pressure Air Regulating Valve Assembly
- V-400
  - Low Pressure Connector Assembly
- V-3018
  - Low Pressure Connector Assembly
- W-2907
  - W-2907
  - W-2907
  - W-2907
  - W-2862°
  - W-2862°
  - W-2862°
  - W-2863°
  - W-2863°
  - W-2863°

Supplied Air Hose

- W-9435°
  - 3/8” High Pressure Hose (25, 50, or 100 ft.)
- W-2929°
  - 3/8” High Pressure Hose (25, 50, or 100 ft.)
- W-3020
  - 1/2” Low Pressure Hose (25, 50, or 100 ft.)
- W-5114
  - Breathing Tube
- W-2907
  - Breathing Tube
- W-2907
  - Breathing Tube
- W-2862°
  - Breathing Tube
- W-2863°
  - Breathing Tube

Portable Air Purification Panels

- 256-02-00
  - 50 cfm (50 cfm) with CO Filtration and Monitor
- 256-02-01
  - 100 cfm (100 cfm) with CO Monitor
- W-2806
  - 50 cfm (50 cfm) without CO Monitor

Note: Headgear, breathing tube, air control valve, and compressed air supply hose are required parts in a NIOSH-approved system. Any NIOSH certification appearing on 3M components is strictly limited to use in an approved air system and only in full accordance with the specifications and limitations under said approval. NIOSH certifies complete assemblies only, not sub-assemblies.
Supplied Air Respirators

Dual-Airline, Supplied-Air, Tight-Fitting Facepieces

6000PD Series
Full Facepiece
Note: Use alternate facepiece kit W3337 (not shown)

7800S
Full Facepiece

6000 Series
Full Facepiece

6000DIN Series
Full Facepiece

7000 Series
Half Facepiece

6000 Series
Half Facepiece

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)

Supplied Air Hose

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

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

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

Portable Air Purification Panels

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

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

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

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

3M Automotive Aftermarket Division Product Numbers are found in blue type on select products
3M Offers Efficient and Economical Solutions for First Response Personnel

3M Full Facepiece Respirator 6000DIN, Reusable May Be the Best Respirator for Both Negative and Positive Pressure Applications

Selecting the right products for 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 recent events in the U.S. and around the world, 3M has launched a program that enhances our overall quality and adds to our product line. 3M is now able to provide the ultimate in quality in an expanded line of personal safety products... the products that deliver the confidence and protection that are needed by first response personnel.

3M Full Facepiece Respirator 7800S, Ultimate Reusable

- Can be used in negative/positive pressure applications
- As a negative pressure system, the 7800S full facepiece can be used with 3M Cartridges CP3N for tear agents and FR-64 for most military and industrial materials
- Can be used 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 Negative Pressure

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

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

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

- The lightweight butyl rubber hood provides protection, excellent mobility and visibility
- Butyl rubber meets MIL-C-51251A (EA) 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 NiCd 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 FR-57 cartridge
- Approximate weight is 8 lbs.

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

3M Full Facepiece Respirator FR-M40

- As a negative pressure system, the FR-M40 full facepiece can be used with 3M™ Cartridges FR-64 or FR-C2A1
- Use drinking tube without removing facepiece*
- The cartridge can be mounted on either side of the facepiece
- When used with the FR-64 cartridge the system can be used against most military and industrial materials
- When used with the FR-C2A1 cartridge, the system can be used against acid gases, CN, CS and as a P100 particulate filter
- The facepiece is made of a soft, conformable silicone material for user comfort
- To protect the facepiece from chemical damage, an optional butyl rubber second skin is available
- Available in small, medium and large sizes

* Drinking tube may only be used in non-hazardous environments.

For Positive Pressure

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 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 NiCd battery or disposable lithium battery
- Approximate weight is 10 lbs.
- Also available as belt-mounted PAPR. For component information, call 1-800-752-3623.
When Should I Use An SCBA?
An SCBA is necessary when dealing with oxygen deficient atmospheres or any situation that is IDLH, can potentially become IDLH, or any environment that has unknown contaminants or unknown levels of contaminants.

Is Fit Testing Required for An SCBA?
The requirements for fit testing have changed. Fit testing tight-fitting, positive pressure respirators, is now required under 29 CFR 1910.134.
- All tight-fitting positive pressure respirators require annual fit testing.
- Testing can be either quantitative or qualitative and is done in the negative pressure mode. This is true even though the actual use will be in a positive pressure mode.

The 7800S full facepiece family provides the opportunity to standardize on a full facepiece, which means only one fit test for all your applications. Use the 7800S for all non-IDLH applications; and use the 7800S-AM (with any of the three 3M Air-Mate SCBA systems), for IDLH applications.

Features and Benefits
- A quarter turn pressure-demand valve provides easy, secure attachment to the facepiece.
- First breath activation allows the user to conserve cylinder air until they are ready to enter a hazardous environment.
- Easily viewable shoulder mounted pressure gauge indicates cylinder air pressure.
- Audible end-of-service alarm alerts the worker of low-air supply.

Using Self-Contained Breathing Apparatus
When the highest level of respiratory protection is required, turn to the 3M™ Air-Mate family of Self-Contained Breathing Apparatus (SCBA). The Air-Mate line features a variety of harness and cylinder options to meet most IDLH (immediately dangerous to life or health) needs. 3M’s SCBA line also features the versatile, 3M™ Full Facepiece 7800S-AM, which can streamline annual fit testing efforts required under OSHA 29 CFR 1910.134.

WARNING!
These respirators help reduce exposure to certain airborne contaminants. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.
Air-Mate™ 2000 SCBA

The 3M™ Air-Mate 2000 system helps provide respiratory protection for workers in environments that are immediately dangerous to life and health (IDLH). Optional airline connection enables workers to remain in IDLH atmospheres for extended periods of time. The 3M Air-Mate 2000 is NIOSH-approved for both entry and escape from confined spaces. Ergonomically designed backplate distributes weight evenly, providing maximum comfort.

Air-Mate™ SCBAG™

The 3M™ Air-Mate SCBAG SCBA is unlike any other product in its class. The SCBAG is stored in a unique, reversible carrying bag that opens to form a vest with the SCBA system in place and ready to use. Easily portable and donned in a matter of seconds, the SCBAG is ideal for confined spaces and emergency use, and it makes training easy. Lightweight vest style harness distributes weight evenly for greater comfort, and adjusts up to 58-inch chest size. Optional airline connection enables workers to remain in IDLH atmospheres for extended periods of time.

Air-Mate™ Combination Escape SCBA/Supplied Air Respirator

A combination escape SCBA and supplied air respirator, these systems offer NIOSH-approved protection for environments that are immediately dangerous to life and health (IDLH). Interchangeable 5 and 15-minute cylinders allow flexibility for different applications and escape needs.
Personal Air Monitoring Systems

Features & Benefits

- 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.
- Product support. 3M provides reference information needed to use the monitors.
- Analysis options. 3M monitors can be analyzed in the lab of your choice or purchased with analysis included.
- Confidence. 3M’s manufacturing operation is ISO 9002 certified and our 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 ±25% accuracy at a 95% confidence level for many workplace contaminants. 3M air monitors systems can be analyzed in the lab of your choice or purchased with analysis included.

Suggestions Industries/Applications

- Health care
- Pharmaceutical
- Chemical
- Laboratories
- Pulp/paper
- Foundries
- Textile
- General

Organic Vapor Monitors

3500, 3510*

Organic Vapor Monitors With Back-Up Section

3520, 3530*

Ethylene Oxide Monitors

3550*, 3551, 3551B

Formaldehyde Monitors

3720*, 3721, 3721B

*Includes pre-paid analysis.

Fax on Demand: 1-800-646-1655
Document #4026

WARNING ! See warnings on back cover.
3M offers a wide variety of solutions to help reduce noise exposure. A full line of comfortable, easy-to-use hearing protectors, including ear plugs, ear muffs, and banded hearing protectors, are available from 3M.

**Disposable Ear Plugs**

**3M™ Foam Ear Plugs 1100**
Soft, comfortable and unobtrusive ear protectors. Recommended for high noise situations (up to 100dBA TWA). NRR 29 dB*

**3M™ Corded Foam Ear Plugs 1110**
Foam ear plugs are also available with a cord that drapes around the neck, enabling workers to remove and reinsert plugs repeatedly during the work day. NRR 29 dB*

**3M™ Soft Foam Ear Plugs 1120**
Soft foam ear plugs with a patented articulated shape for improved fit. New softer formulation for improved comfort. Can be combined with ear muffs for additional protection. NRR 28 dB*

**3M™ Corded Soft Foam Ear Plugs 1130**
Soft braided cord for convenience. Soft foam ear plugs with a patented articulated shape for improved fit. New softer formulation for improved comfort. Can be combined with ear muffs for additional protection. NRR 28 dB*

**Reusable Ear Plugs**

**3M™ Reusable Ear Plugs 1260**
Comfortable and dependable solutions for hearing protection. Perfect for everyday use in a wide variety of industrial settings. Pre-molded for easy insertion into the ear without rolling. NRR 24 dB*

**3M™ Corded Reusable Ear Plugs 1270**
Reusable ear plugs that come connected to a soft, braided cord so workers can remove and reinsert ear plugs repeatedly during the work day. Also available with storage case (1271) that helps keep plugs clean and protected. NRR 24 dB*

**3M™ Banded Hearing Protector 1310**
Great option for workers who need intermittent hearing protection when going in and out of loud work environments. NRR 21 dB* when band is worn behind the head and 20 dB* when band is worn under the chin.

**Reusables**

**3M™ Replacement Pads 1311**

**Ear Muffs**

**3M™ General Purpose Ear Muffs 1435**
Roomy, durable ear cups provide reliable protection for everyday use. The lightweight design and flexible headband provide easy fit and comfort for worker hearing protection. NRR 23 dB*

**3M™ Padded Ear Muffs 1440**
These ear muffs feature multi-position ear cups, contoured ear cushions, a soft padded headband for extra comfort, and a sliding tension adjustment system to help maintain a good fit. NRR 24 dB*

**3M™ Low Profile Ear Muffs 1425**
Lightweight, economical ear muffs designed for comfort and durability in most work environments. NRR 22 dB*

**3M™ Hard Hat Mounted 1450**
Can be attached to a wide variety of hard hats without any additional adapters. Combines comfort and convenience. NRR 23 dB*

**3M™ Three Position Ear Muffs 1427**
A combination of outstanding performance and remarkable versatility. The rotating headband and adjustable head strap make it easy to obtain a secure fit in any of three different positions. Recommended for high noise situations (up to 100 dBA TWA). NRR 27 dB* when headband is worn over or behind the head and NRR 26 dB* when headband is worn under the chin.

* Recent studies suggest that the NRR may overestimate noise reduction under actual use conditions. Therefore, 3M recommends reducing the NRR by 50% under actual use conditions.

**FAQ**

Fax on Demand: 1-800-646-1655
Document #6010

⚠️ **WARNING!** See warnings on back cover.
3M™ Protective Eyewear is available in many styles and configurations. Lens options available include clear, amber, shaded and mirrored. Stylish, wrap-around designs help provide side protection. All of these products meet the requirements of ANSI Z87.1-1989. They feature durable, hard-coated, polycarbonate lenses that provide 99% UV protection.

3M™ Head Protection products are lightweight and comfortable. There are many hat colors available to meet your facility needs. 3M™ Hard Hats meet the requirements of ANSI Z89.1-1997, Type 1, Class C, E, and G*. Certified when head band is installed in reverse position or when hard hat is worn backwards.

<table>
<thead>
<tr>
<th>3M™ Protective Eyewear 170X</th>
<th>Lightweight, comfortable</th>
<th>Lens: clear or smoke</th>
<th>Low-profile, frameless design</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Protective Eyewear 171X</td>
<td>Lightweight, contemporary-style frames</td>
<td>Lens: clear or smoke</td>
<td>4 position adjustable temples</td>
</tr>
<tr>
<td>3M™ Protective Eyewear 173X</td>
<td>One-piece wrap-around design</td>
<td>Comfortable vinyl nose pad</td>
<td>Lens: clear, smoke, or amber</td>
</tr>
<tr>
<td>3M™ Protective Eyewear 174X</td>
<td>Vinyl nose cushion</td>
<td>Form-fitting design</td>
<td>Multiple lens option</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Adjustable temples with metal core</td>
</tr>
<tr>
<td>3M™ Protective Eyewear 172X</td>
<td>Vinyl nose cushion</td>
<td>Non-slip rubber head grip</td>
<td>Five-position temple adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Lens: clear, mirror, or amber</td>
</tr>
<tr>
<td>3M™ Visitor Specs Protective Eyewear 1611</td>
<td>Designed for short-term users</td>
<td>Can be worn over prescription eyewear or worn alone for eye protection</td>
<td></td>
</tr>
<tr>
<td>3M™ Safety Goggles 1620, Perforated</td>
<td>General use goggles</td>
<td>Soft and comfortable</td>
<td>Not for splash protection</td>
</tr>
<tr>
<td>3M™ Safety Goggles 1621, for Splash</td>
<td>Pliable vinyl frames</td>
<td>Helps protect against splashes</td>
<td>Indirect vents</td>
</tr>
<tr>
<td>3M™ Omega II™ Hard Hats 190X</td>
<td>Standard Suspension</td>
<td>Slide sizing adjustment</td>
<td>Lightweight, well balanced design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Six-point suspension</td>
<td>Colors: white, yellow, orange, red, or blue</td>
</tr>
<tr>
<td>3M™ Omega II™ Hard Hats 191X</td>
<td>Ratchet Suspension</td>
<td>Soft, removable brow pad</td>
<td>No need to remove hat to adjust sizing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Woven nylon suspension for comfort</td>
<td>Colors: white, yellow, orange, red, or blue</td>
</tr>
<tr>
<td>3M™ Hard Hat 192X</td>
<td>Economical</td>
<td>Lightweight, comfortable</td>
<td>Slide sizing adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Colors: white, yellow, orange, red, or blue</td>
<td></td>
</tr>
<tr>
<td>3M™ Bump Cap 180X</td>
<td>Use for reducing minor head bumps and scrapes</td>
<td>Recommended when hard hats are not required*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Colors: black or white</td>
<td></td>
</tr>
<tr>
<td>3M™ Face Shield Kit</td>
<td>Uses replaceable lens for clearer vision</td>
<td>Cam-lock holds face shield in place</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Helps provide secondary eye and face protection.**</td>
<td></td>
</tr>
</tbody>
</table>

* 3M™ Bump Cap 1801 does not meet the requirements of ANSI Z89.1 and does not protect against impact from falling or glancing objects.

** Always use face shield kit with safety glasses or goggles (not included.)
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.

**WARNING !**
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.

### 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, reducing 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 the perfect solution for emergency response flexibility. With all the features of a 3M folded sorbent, they can be used with most hazardous liquids.
Software and Training Products

Health and Safety Software Library

The 3M™ Health and Safety Software Library can help you find your way out of the regulatory maze. This software library is designed to not only help you choose the right type of respirator, but also comply with respirator selection, use, proper fitting procedures, and maintenance of 3M products. 3M can assist you and your employees by emphasizing the importance of respirator protection and hearing conservation regulations. The Health and Safety Software Library contains menu-driven software programs—just point and click to choose the proper respirator and manage your respiratory protection and hearing conservation programs. You don’t need to be a regulatory or computer expert—the software does it for you. Sample these products through our on-line software demonstration on the Internet: www.3M.com/OHESdemo.

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. 3M can assist you and your employees by emphasizing the importance of respirator selection, use, proper fitting procedures, and maintenance of 3M products. 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.

Fit Test Apparatuses and Accessories

3M equipment 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 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.

Respiratory Protection Courses

3M offers two training courses that provide information for effectively administering a respiratory protection program. These courses are unique among those offered by respirator manufacturers in that they are based on the technical and regulatory aspects of a sound respirator program, rather than specific products. Respiratory Protection is a comprehensive 4-1/2 day course for those who manage a respiratory protection program. Current Topics in Respiratory Protection is a 2-day course that provides the latest in technical and regulatory information to experienced program managers. Locations and registration information are available on our Web site.

Quantitative Fit Test Respirators

3M™ Quantitative Fit Test Respirators are products that provide a simple, direct way to help meet OSHA fit testing requirements. They can be used with any 100 level particulate respirator to test face-to-respirator seal. 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.
Health and Safety Services

3M Health and Safety Services will help customers meet applicable regulatory requirements and achieve company health and safety goals, while improving return on program investments through increased productivity and reductions in related administrative, workers’ compensation and healthcare costs.

Health Screening and Medical Surveillance
3M Health and Safety Services offers comprehensive, nationwide Health Screening and Medical Surveillance Services. These services have wide application in cases where sending workers away from the workplace to walk-in medical facilities would cause major disruptions in time and productivity.

A fleet of mobile vans, with advanced equipment and certified professional personnel, are available to come to your workplace and help you create a safe, productive and profitable work environment.

Advantages and Benefits
- High quality services
- Fleet of over 40 Mobile testing Units featuring state-of-the-art equipment
- Nationwide service
- Consistent and standardized processes
- Specially qualified, trained and certified personnel to ensure top quality performance
- Appointments, schedule coordination and administration are included as part of the service
- Standardized integration of mobile/clinic based test results (3M Services can be utilized for on-site delivery, as well as with clinic provider networks)
- Test results can be integrated with historical data from other service providers, which ensures customer consistency and compliance
- Complete detailed reports offered as part of the service

3M offers ala carte services and convenient packages that will meet your needs according to the hazards you have in your workplace:

Ala Carte Services Offered:
- Hearing Conservation Program (Training, Testing, Counseling)
- Audiometric Testing
- Respirator Medical Evaluation
- Pulmonary Function Testing
- Respirator Quantitative/Qualitative Fit Testing
- Training Courses
- Physical Exams
- Chest X-rays
- Electrocardiograms (EKG)
- Biological Screening
- Vision Screening
- Drug Screening
- Fire Brigade Exams
- HAZMAT Surveillance Screening
- TB Testing
- DOT Exams

Benzene Package, includes:
- Physical Exam
- Respirator Medical Evaluation
- Medical History Questionnaire
- Pulmonary Function Testing
- Blood Chemistry/CBC/Lipid Profile/Urinalysis with Microscopic

Cadmium Package, includes:
- Physical Exam
- Respirator Medical Evaluation
- Medical History Questionnaire
- Pulmonary Function Testing
- Blood Chemistry/CBC/Lipid Profile/Urinalysis with Microscopic
- Blood Cadmium

We also offer a cadmium package with cadmium exposure profile included (cadmium urine and blood, beta-2 microglobulin and urine creatinine).

Department of Transportation (DOT) Package, includes:
- DOT Physical (DOT Clearance, Whisper Test, Snellen Chart, Urinalysis UA Dip, History and Physical Exam)

Asbestos Package/Silica Package, includes:
- Physical Exam (vitals, neck, heart, lungs, abdomen)
- Respirator Medical Evaluation
- Medical Questionnaire for specific exposure
- Vitals, Height, Weight and Pulmonary Function Testing
- Chest X-ray

HAZMAT Package/HazWoper-type activities, includes:
- Physical Exam
- Respirator Medical Evaluation
- Medical History Questionnaire
- Vitals, Height, Weight and Pulmonary Function Testing
- Blood Chemistry/CBC/Lipid Profile/Urinalysis with Microscopic

Lead Package, includes:
- Lead Medical Questionnaire
- Physical Exam
- Respirator Medical Evaluation
- Blood Chemistry/CBC/Lipid Profile/Urinalysis with Microscopic
- Blood Lead/ZZP
WARNINGS!

Filtering Facepiece Respirators (See inside front cover and page one.)
This respirator helps protect against certain particles. Misuse may result in sickness or death. For proper use, see user instructions, supervisor, or contact 3M OH&ESD Technical Service.

Air Monitoring Systems (See page 24.)
Do Not Use For:
- Ammonia, Carbon Monoxide; Ethylene Oxide¹; Formaldehyde²; Hydrogen Sulfide; Isocyanates; Methane; Ethane; Propane; Methyl Alcohol (Methanol); Methyl Chloride; Methyl, Dimethyl, Trimethyl Amines; Organic Solids; Sulfur 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

¹ Ethylene Oxide can be monitored using 3M™ 3550/3551 Ethylene Oxide Monitor.
² Formaldehyde can be monitored using 3M™ 3720/3721 Formaldehyde Monitor.

Eye and Face Protection Products (See page 26.)
WARNING! 3M Eye and Face Protection Products help provide limited eye and face protection against flying particles. Misuse or failure to follow warnings and instructions may result in serious personal injury, including blindness, or death. For proper use, see supervisor, read instructions 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.

Head Protection Products (See page 26.)
WARNING! 3M Hard Hats provide limited protection only. Misuse or failure to follow warnings and instructions may result in serious personal injury or death. For proper use, see supervisor, read instructions 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.

WARNING! Bump Caps do not provide protection against impact from falling or glancing objects. They do not protect against electrical hazards. Bump caps do not meet the requirements of the American National Standard for Industrial Head Protection ANSI Z89.1. When head protection is required, wear a protective hard hat or helmet that meets the requirements of ANSI Z89.1-1997.

Hearing Protection Products (See page 25.)
WARNING! 3M Hearing Protection Products help reduce exposure to hazardous noise. Misuse or failure to follow warnings and instructions may result in hearing loss or injury. For proper use, see supervisor, read instructions 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.

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