

A technician wearing a white protective suit, a white helmet with a clear visor, and blue gloves is using a spray gun to apply a substance to a car. The helmet has the 3M logo and the text 'Versaflo M-300' on it. The background shows a car covered in plastic sheeting.

**3M** Science.  
Applied to Life.™

# Today's safety. Tomorrow's security.

Today's safety products not only need to work harder, but they also need to work smarter. Whether it's your repair shop or your role within it, protecting technicians' health helps protect your business — when they aren't working, your shop's productivity and profitability goes down. 3M's expanded safety solution portfolio can help you:

- Protect workers — your most valuable resource!
- Prevent injuries
- Keep workers on the job and maintain productivity

So look to the brands you trust to help keep you and your team safe today, and they can help you feel more secure about business tomorrow.

**Safety Solutions for the Automotive Aftermarket**

# 3M Safety Solutions Work

We believe that health and safety is first and foremost about safeguarding worker welfare. A secure, safe working environment is paramount in any business. But we also believe that improving worker protection, comfort, product durability and productivity is a more ambitious goal — one we firmly believe in.

The health and safety of your workforce depends on your choices, and we don't take that for granted. By working in association with skilled safety practitioners, partners and customers, we are committed to helping you create an environment that protects your workforce — effectively, efficiently and economically.

## Better.

Products that help workers become more efficient.

## Faster.

Solutions that are easy to use.

Now that's

## Smarter.



3M™ Respirators

Page 2



3M™ Hearing Protection Solutions

Page 14



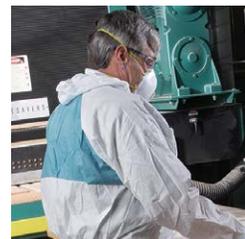
3M™ Protective Eyewear

Page 17



3M™ Speedglas™ Welding Products

Page 19



3M™ Protective Coveralls

Page 21

## 3M Respiratory Solutions

3M offers multiple respiratory protection choices to help reduce the risk of exposure to potentially harmful particulates, vapors and gases. These options include tight-fitting as well as loose fitting supplied air respiratory protection options. When working conditions require the use of a tight-fitting respirator, regulations dictate that all employers must ensure employees have the correct protection and fit. Supplied air options are shown in the matrices.

The selection of N, R and P filters depends on whether there are oil particles in the workplace.

**N filter** - not oil resistant filter.

**R filter** - oil resistant filter for up to 8 hours.

**P filter** - oil proof filter for up to 40 hours.

Working on vehicles means grinding, sanding and spraying, potentially sending tiny particles into the air. 3M™ Respirators are a safety solution to help reduce worker exposure to these potential hazards. Taking care of your technician's health protects your business, and helps maintain shop productivity.

Respirators must be properly selected based on the contaminant and the concentration levels to which the worker is exposed.



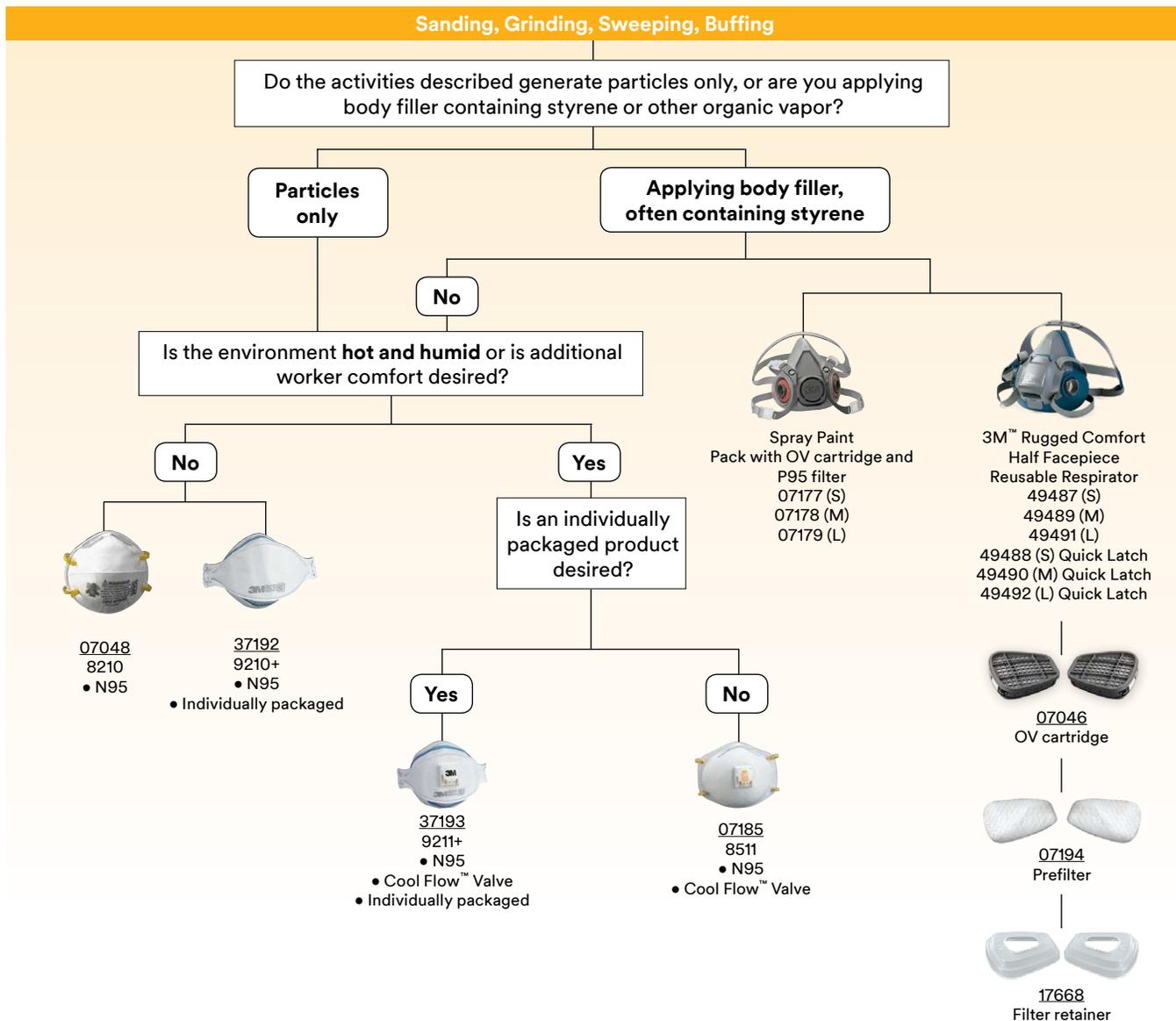
# 3M™ Respirators

## Sanding, Grinding, Sweeping, Buffing

3M™ Particulate Respirators help provide protection against dusts and other particulates. The 3M™ Cool Flow™ Valve, available on some models, may relieve moisture buildup in hot and humid conditions.

Application of body fillers, which may contain styrene or other organic vapors, potentially require use of an organic vapor cartridge such as the 3M™ Organic Vapor (OV) Cartridge 07046.

Use the selector below to help identify which respirator may be preferred for increased worker comfort\*. Typically these operations do not produce an oil mist.



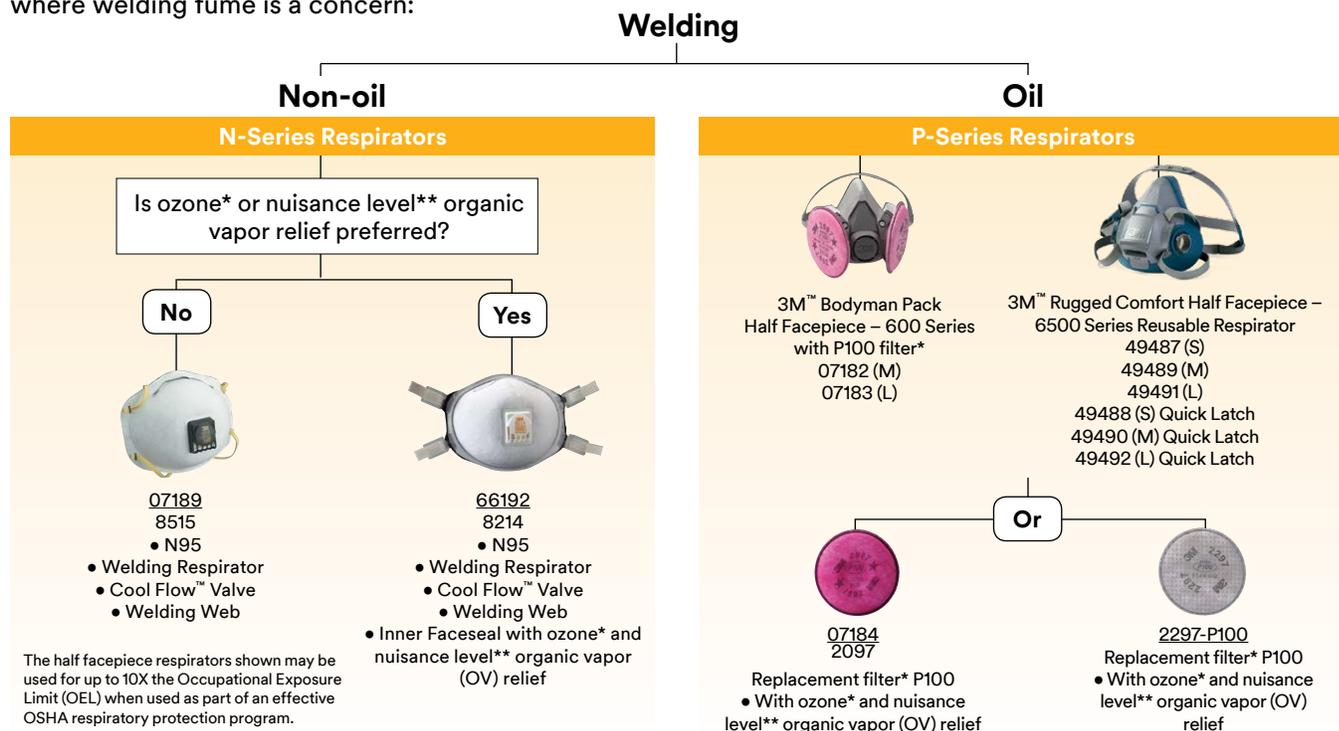
\*In all cases, before selection of the appropriate Personal Protection Equipment (PPE), a risk assessment must be carried out. The half facepiece respirators shown may be used for up to 10X the Occupational Exposure Limit (OEL) when used as part of an effective OSHA respiratory protection program.

See important product warnings on the last page.

# 3M™ Respirators

## Welding

3M™ Welding Respirators are designed for applications such as welding, soldering, and other operations involving metal fumes including those with ozone\* and nuisance levels of organic vapors\*\*. Use the selector below to help identify which respirator may be preferred for increased worker comfort. Respirator options where welding fume is a concern:



## 3M™ Bodyman and Mechanic Half Facepiece Respirator Pack P100

Half facepiece respirators may be used for up to 10X the Occupational Exposure Limit (OEL).



- Reusable design – replaceable filters
- 3M recommended for grinding, sanding, welding and brake and clutch repair applications
- Activated carbon layer helps remove ozone\* and nuisance level\*\* organic vapors and odors
- At least 99.97% filtration efficiency against solid and liquid particles including oil aerosols
- Packout includes: 1 half facepiece respirator and 2 pairs P100 filters (07184)

## Replacement Filters



**3M™ Particulate Filter 07184 (2097), P100 with Nuisance Level\*\* Organic Vapor Relief**  
NIOSH approved for environments containing certain oil and non-oil based particles. 3M recommended for nuisance level\*\* relief against organic vapors, and ozone protection up to 10 times the Occupational Exposure Limit (OEL).  
Not NIOSH certified for use against ozone.



**3M™ Advanced Particulate Filter 2297-P100\* with Nuisance Level\*\* Organic Vapor Relief**  
All the same protection as the 07184, with the benefits of easier breathing, and enhanced durability and longer service life. Efficiently captures particles in three layers of advanced electret filter media compared to five layers in traditional filters, therefore permitting easier breathing.

In all cases, before selection of the appropriate Personal Protection Equipment (PPE), a risk assessment must be carried out.  
\*3M recommended for ozone protection up to 10X the Occupational Exposure Limit (OEL). Not NIOSH approved for ozone.  
\*\*Nuisance level organic vapor refers to *contaminations not* exceeding applicable government occupational exposure limit.  
See important product warnings on the last page.

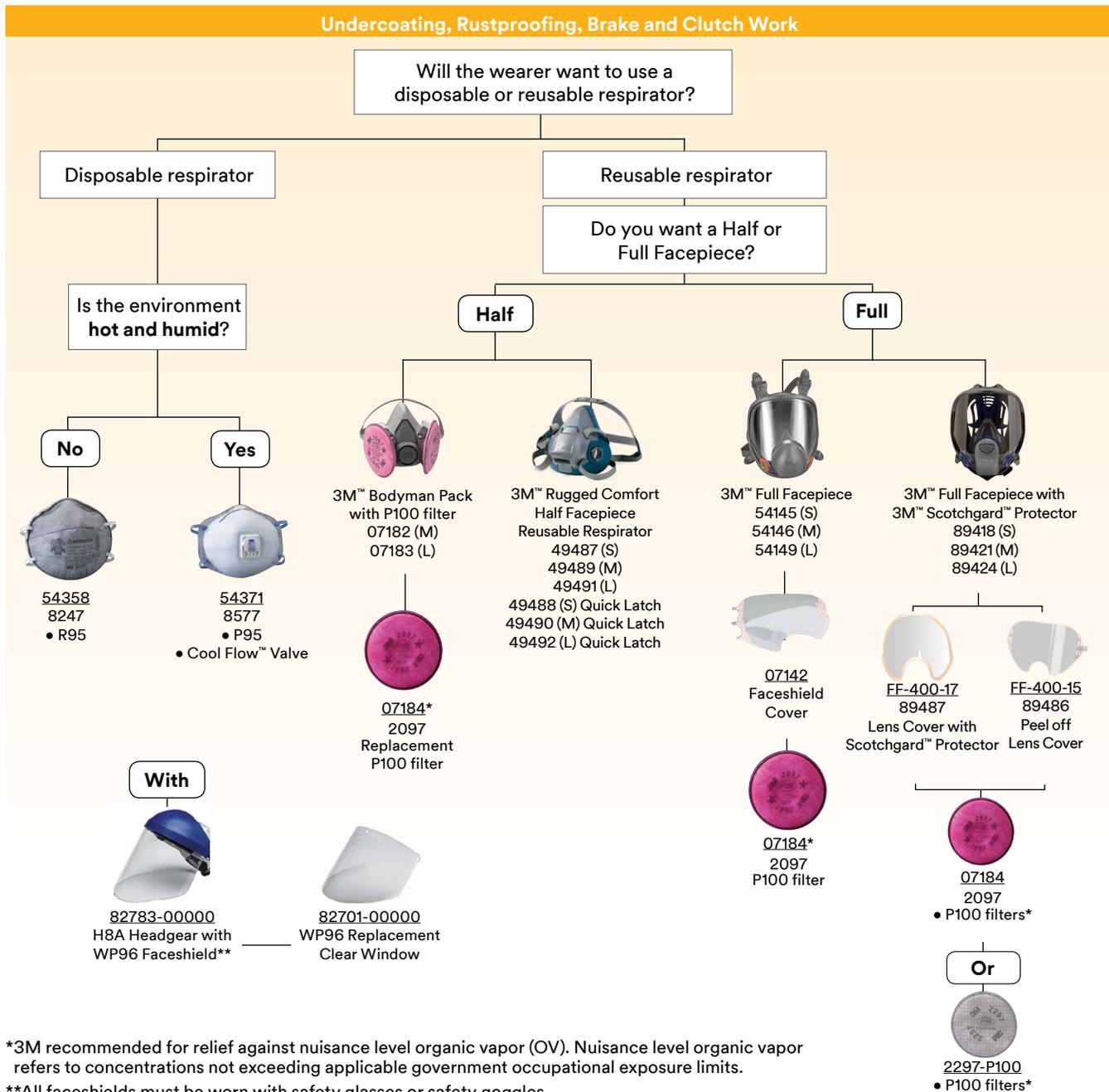
# Selection Charts

## Undercoating, Rustproofing, Brake and Clutch Work

The following respirators incorporate a layer of activated carbon in the filter web which may help remove the nuisance\* odors associated with these applications.

These operations usually take place in an oily environment. Use the selector below to help identify which respirator may be preferred for increased worker comfort.

In all cases, before selection of the appropriate Personal Protection Equipment (PPE), a risk assessment must be carried out.



## Paint Spray Operations

Workers who perform paint spray operations know that using proper respiratory protection when there is a potential overexposure to paint mists and vapors is critical.

## Experience 3M Innovation in Respiratory Protection

### 3M™ Ultimate FX Full Facepiece Respirator FF-400

The only respirator with 3M's unique Scotchgard™ Protector, which helps the lens resist dirt, paint and stains, and makes it easier to clean.



#### Large Lens Featuring Scotchgard™ Protector

- Paint and stain-resistant lens—3M's exclusive Scotchgard™ Coating causes some liquids to bead up on the surface so they can be wiped off easily
- Helps lens stay clearer during spray applications
- Provides a wide field of view

Lens with Scotchgard™ Protector



Regular Lens



Both lenses have been sprayed with the same amount of paint. See the difference!



#### Durable, Long-lasting Head Harness

- Features a six-strap configuration
- Harness straps pulled over one million times in durability testing
- New adjustment buckle for fit

#### Soft Nose Cup and Face Seal

- Engineered for maximum durability, comfort and resilience
- Three sizes help the respirator fit a variety of face shapes and sizes

#### Speaking Diaphragm Exhalation Valve Cover

- The standard exhalation valve cover allows for communication clarity

#### Low Profile Bayonet Design

- Helps improve balance and provides better weight distribution
- For tight work environments

#### Patented 3M™ Cool Flow™ Exhalation Valve

- Allows for easier breathing
- Reduces heat and moisture buildup for cool, dry comfort



#### Respirator

89418	3M™ Ultimate FX Full Facepiece, Small
89421	3M™ Ultimate FX Full Facepiece, Medium
89424	3M™ Ultimate FX Full Facepiece, Large

#### Plus

Cartridge



07046

Filter



07194

Retainer



17668

#### Accessories

##### 3M™ Spectacle Kit



37331

##### 3M™ Semi-Permanent Lens Protector



89487

#### Features of the 3M™ Semi-Permanent Lens Protector:

- Perimeter adhesive around entire edge seals firmly to the lens, yet removes cleanly
- Lasts longer than standard tear-aways
- Lens cover with 3M™ Scotchgard™ Protector for easier cleaning
- Resists some paints, stains and liquids which can help prolong the lens

##### 3M™ Lens Cover



89486

See important product warnings on the last page.

# 3M™ Respirators

## Work Safely with Convenience

Workers who perform paint spray operations know that using proper respiratory protection is critical.

### 3M™ Premium Spray Paint Respirator Pack, P95 – 7500 Series



37077 (S)  
37078 (M)  
37079 (L)

- 3M™ Cool Flow™ Exhalation Valve helps make breathing easier
- The advanced material provides a softer feel on the face
- Drop-down capability
- Available in small, medium and large

#### Contains:



1 Premium Respirator small, medium or large



1 pair Organic Vapor (OV) cartridges 07046



2 pairs Filter 07194 P95



1 pair Retainers 17668

### 3M™ Spray Paint Respirator Pack, P95 – 6000 Series



07177 (S)  
07178 (M)  
07179 (L)

- Low maintenance and lightweight
- Available in small, medium and large

#### Contains:



1 Spray Paint Respirator small, medium or large



1 pair Organic Vapor (OV) cartridges 07046



2 pairs Filter 07194 P95



1 pair Retainers 17668

### 3M™ Full Facepiece Spray Painting Pack, P95 – 6000 Series



07162 (M)  
07163 (L)

- Provides eye and face protection
- Offers a wide field of vision
- Available in medium and large

#### Contains:



1 Full Facepiece Spray Paint Respirator medium or large



1 pair Organic Vapor (OV) cartridges 07046



1 pair Retainers 17668



1 pair Faceshield Covers 07142



2 pairs Filter 07194 P95

### 3M™ Dual Cartridge Respirator Assembly, Organic Vapor/P95 – 5000 Series



07191 (S)  
07192 (M)  
07193 (L)

- Designed to be disposable with the permanently attached cartridges
- Available in small, medium and large

#### Contains:



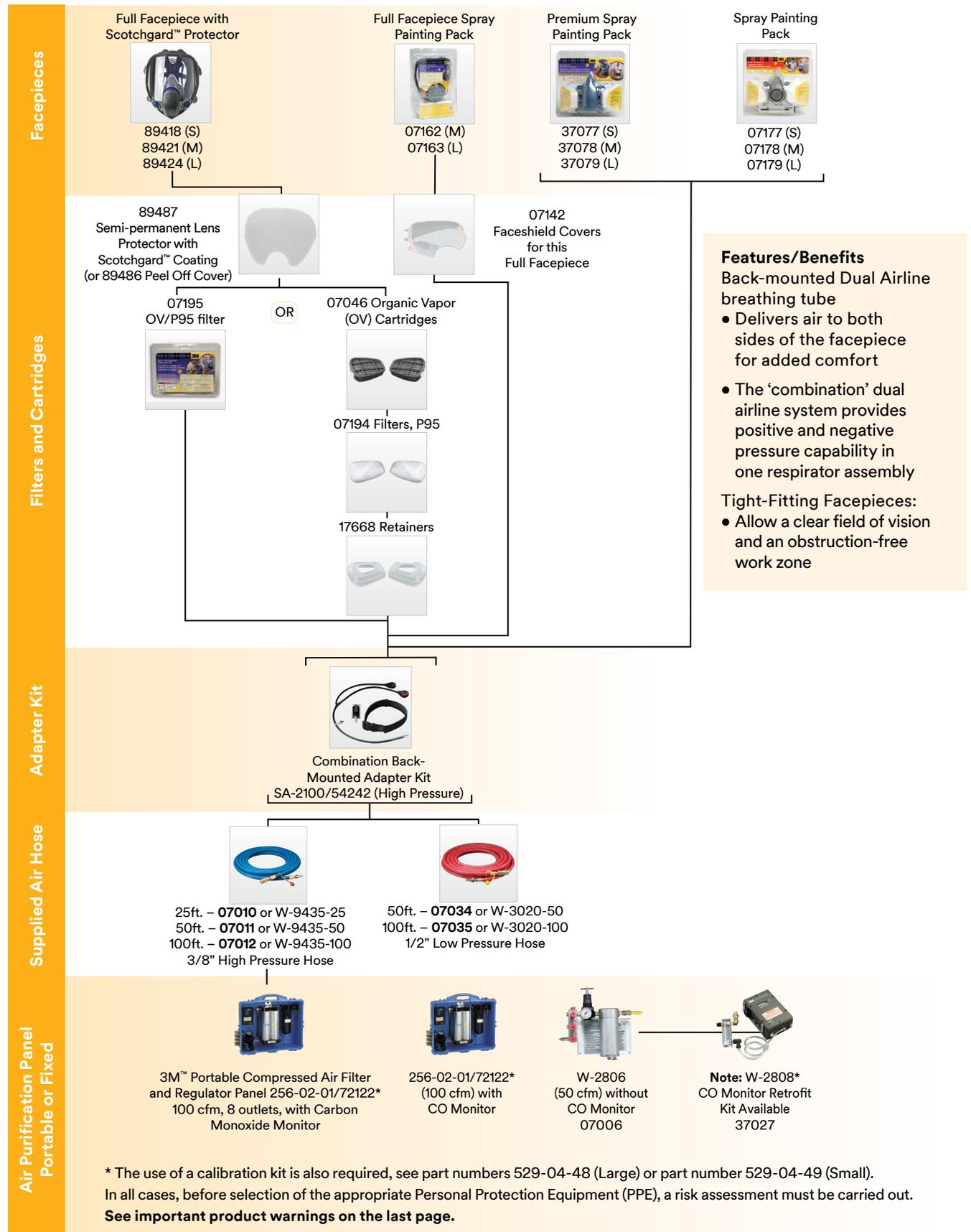
1 pair Organic Vapor (OV) cartridges 07046



2 pairs Filter 07194 P95

See important product warnings on the last page.

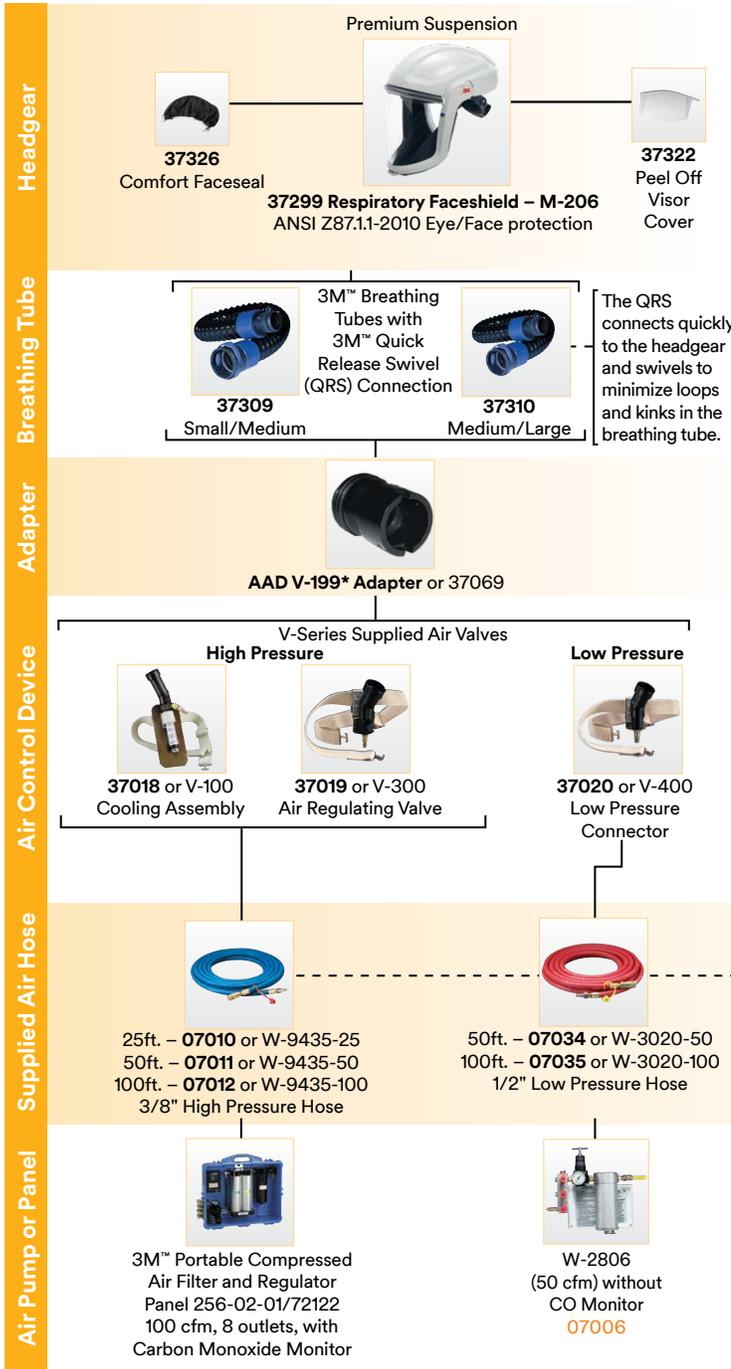
# 3M™ Tight-Fitting Facepiece Respirator Options



\* The use of a calibration kit is also required, see part numbers 529-04-48 (Large) or part number 529-04-49 (Small). In all cases, before selection of the appropriate Personal Protection Equipment (PPE), a risk assessment must be carried out. See important product warnings on the last page.

# 3M™ Respirators

## 3M™ High and Low Pressure Systems



**3M's MOST lightweight and COMFORTABLE faceshield respirators**

- Excellent peripheral and downward vision
- Easy to use, Quick Release Swivel breathing tubes
- Adjustable directional flow of air inside the headgear

**Note: Headgear, breathing tube, air control valve, and 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.

\*It is the employer's responsibility to ensure that the air used with any supplied air system be Grade-D breathing air, per OSHA 1910.134.

**3M™ Vortex Cooling Assembly V-100**

The 3M™ Vortex Cooling Assembly is designed to provide those 3M headgear which are approved for use with it, a continuous airflow ranging between 6 and 15 cfm (170 to 425 lpm). This air control device also provides the ability to cool the compressed air supply by as much as 50° F (28° C). The device cools the air as supplied by the compressed air source – not the ambient air. The control knob may be adjusted manually between upper and lower limits to suit the cooling comfort requirements of the user.

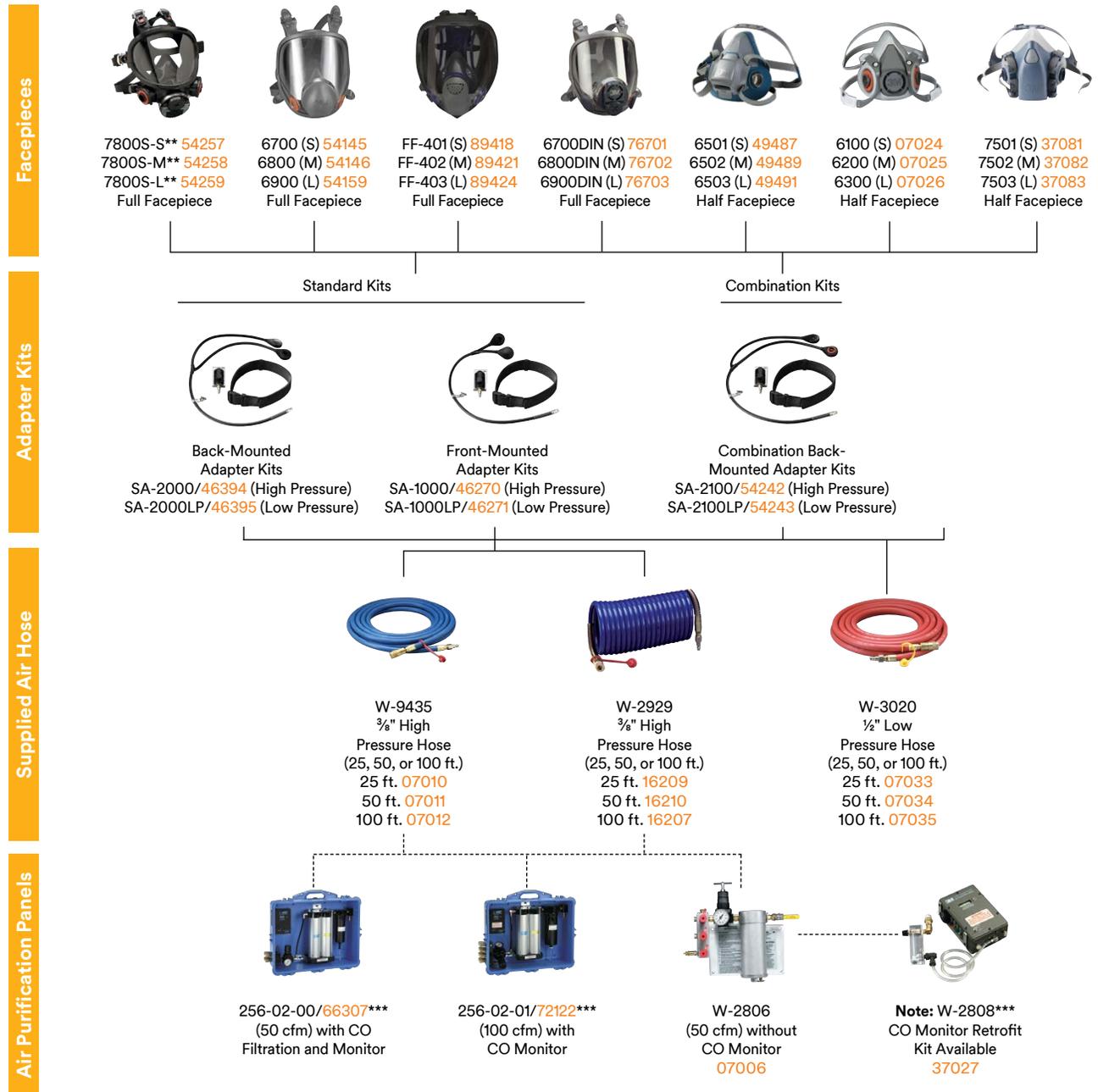
**Note:**  
Airline connection requirements for Low Pressure S-Series Hoods: 07034 and 07035: can only be used in single lengths of 50, or 100 feet. No connections are allowed.

Airline connection requirements for High Pressure S-Series Hoods: 07011 and 07012: combine up to three hoses (25, 50 or 100 feet) in any combination not to exceed 300 feet.

**Note:**  
Airline connection requirements for Low Pressure M-Series headtops: 07034 and 07035: can only be used in single lengths of 50, or 100 feet. No connections are allowed.

Airline connection requirements for High Pressure M-Series headtops: 07011 and 07012: combine up to three hoses (25, 50 or 100 feet) in any combination not to exceed 300 feet.

# 3M™ Supplied Air Respirators



**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.

In all cases, before selection of the appropriate Personal Protection Equipment (PPE), a risk assessment must be carried out.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

\*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 in the U.S. as specified in the Occupational Safety and Health (OSHA) Respiratory Protection standard 1910.134(i)(1)(ii). In Canada, refer to CSA Standard Z180.1 table for the quality of compressed breathing air.

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

\*\*\*The use of a calibration kit is also required, see part numbers 529-04-48 (Large) or part number 529-04-49 (Small).

See important product warnings on the last page.

# Maximum Air Panel Capacity

Minimum of 100 PSI inlet air pressure is required to achieve the support for the number of users shown. If inlet air pressure is below 100 PSI, then fewer workers will be able to be supported.



256-02-00/66307  
(50 cfm) with CO  
Filtration and Monitor

OR



W-2806  
(50 cfm) without  
CO Monitor  
07006

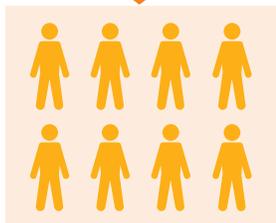
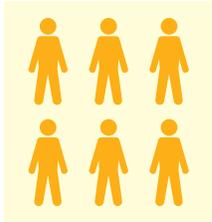
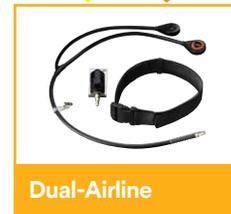
OR



256-02-01/72122  
(100 cfm) with  
CO Monitor



OR



See important product warnings on the last page.

# Powered Air Purifying and Supplied Air Respirators

The 3M™ Versaflo™ Powered Air Purifying Respirator (PAPR) system is engineered for versatility and customization, so that safety managers can build the system that works for their employees by choosing from a wide range of headgear, breathing tubes and air sources.

Ready to Use Kits

TR-800-PSK/94248  
Paint Spray Kit



SA-100-PSK/37336  
Painter's Supplied Air  
Respirator Kit



Step 1  
Headgear

### S-Series Headcovers and Hoods



### M-Series Headtops



### Reusable Respirators



Step 2  
Breathing Tubes

### S-Series Hoods and M-Series Helmets Breathing Tube



### Face Piece Breathing Tubes



Build Your Own System

Step 3  
Air Source

### Supplied Air Regulators



### Powered Air Assembly



Step 4  
Pick an Airline

### Airlines



### Powered & Supplied Air Accessories



Step 5  
Air Purification Panels

### Panel



### Powered Air Replacement Parts



- Compatible with Powered or Supplied Air Configurations
- Powered Air Configurations
- Supplied Air Configurations

\* Replacement part

# 3M™ Respirator Selection Guide

			3M™ Half and Full Facepiece Respirators							
			5000 Series	6000 Series		6500 Series		Professional Series 7000 and FF-400 Series		
Cartridge Type	Color Code	NIOSH Approved for:								
			Permanent Cartridges	Replaceable Cartridges						
OV Organic Vapor		Certain Organic Vapors	<b>5101 Small</b> <b>5201 Medium</b> <b>5301 Large</b>					<b>6001 (07046)</b>		
OV/P95 Organic Vapor/P95		Certain Organic Vapors and Particulates	<b>51P71 Small (07191)</b> <b>52P71 Medium (07192)</b> <b>53P71 Large (07193)</b>							
OV/P100 Organic Vapor/P100		Certain Organic Vapors and Particulates						<b>60921</b>		
AG Acid Gas		Chlorine, Hydrogen Chloride, and Sulfur Dioxide or Chlorine Dioxide or Hydrogen Sulfide						<b>6002</b>		
AG/P100 Acid Gas/P100		Chlorine, Hydrogen Chloride, and Sulfur Dioxide or Chlorine Dioxide or Hydrogen Sulfide and Particulates						<b>60922</b>		
OV/AG Organic Vapor/ Acid Gas		Certain Organic Vapors, Chlorine, Hydrogen Chloride, and Sulfur Dioxide or Hydrogen Sulfide or Hydrogen Fluoride	<b>5103 Small</b> <b>5203 Medium</b> <b>5303 Large</b>					<b>6003 (07047)</b>		
OV/AG/P100 Organic Vapor/ Acid Gas/ P100		Certain Organic Vapors, Chlorine, Hydrogen Chloride, and Sulfur Dioxide or Hydrogen Sulfide or Hydrogen Fluoride and Particulates						<b>60923</b>		
AM/MA Ammonia/ Methylamine		Ammonia and Methylamine						<b>6004</b>		
AM/MA/P100 Ammonia/ Methylamine/P100		Ammonia and Methylamine and Particulates						<b>60924</b>		
FM/OV Formaldehyde/ Organic Vapor		Formaldehyde¹/Certain Organic Vapors						<b>6005</b>		
FM/OV/P100 Formaldehyde/ Organic Vapor/P100		Formaldehyde¹ and Certain Organic Vapors and Particulates						<b>60925</b>		
MG Multi-Gas/Vapor		Certain Organic Vapors, Chlorine, Hydrogen Chloride, Chlorine Dioxide, Sulfur Dioxide, Hydrogen Sulfide, Ammonia/Methylamine, Formaldehyde¹ or Hydrogen Fluoride						<b>6006</b>		
MG/P100 Multi-Gas/Vapor/ P100		Certain Organic Vapors, Chlorine, Hydrogen Chloride, Chlorine Dioxide, Sulfur Dioxide, Hydrogen Sulfide, Ammonia/Methylamine, Formaldehyde¹ or Hydrogen Fluoride and Particulates						<b>60926</b>		
OV/AG/P100 Organic Vapor/ Acid Gas/ P100		Certain Organic Vapors, Chlorine, Hydrogen Chloride, and Sulfur Dioxide or Hydrogen Sulfide or Hydrogen Fluoride and Particulates²						<b>60928</b>		
HG Mercury		Mercury Vapor, Chlorine and Sulfur Dioxide						<b>6009S</b>		
HG/P100 Mercury/P100		Mercury Vapor, Chlorine, Sulfur Dioxide and Certain Particulates						<b>60929S</b>		

\* Nuisance level refers to concentrations not exceeding the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

¹ OSHA regulations require gas proof goggles be worn with half facepiece respirators when used against formaldehyde.

² 3M recommended for use against methylbromide or radioiodine up to 5 ppm with daily cartridge replacement.

**See important product warnings on the last page.**

				3M™ Half and Full Facepiece Respirators							
				5000 Series	6000 Series	6500 Series	Professional Series 7000 and FF-400 Series				
Filters	Color Code	NIOSH Approved for:									
				5000	6000	6000	Rugged Comfort 6500	Rugged Comfort 6500QL	7500	7800S	Ultimate FX FF-400
			Permanent Cartridges	Replaceable Cartridges							
P95		Particulates			2071						
P95 HF with nuisance level Acid Gas*		Hydrogen Fluoride and Particulates			2076HF						
P95 with nuisance level Organic Vapor/Acid Gas*		Particulates			2078						
P100		Particulates			2091 (07000)		2291		7093		
P100 with nuisance level Acid Gas*		Particulates			2096		2296				
P100 with nuisance level Organic Vapor*		Particulates			2097 (07184)		2297				
P100 with hydrogen fluoride, nuisance level organic vapor and acid gas relief*		Cartridge/Filter			7093C (37173)						
Prefilters for Cartridges	Color Code	NIOSH Approved for:									
N95		Non-Oil Particulates			5N11						
P95		Particulates			5P71 (07194)		2071				
P100		Particulates			2091 (07000)		2291		7093		
Retainers/Adapters											
											
			501 (17668) For use with 5N11 and 5P71 Filters	502 For use with 2000 Series and 7093 Filters	603 Use with 5N11 or 5P71 Filters and 501 Filter Retainer						
Monitors for Sampling & Analysis											
Organic Vapor Monitors	3500, 3500B, 3510 (17309), 3520, 3530 <sup>1</sup>										
Ethylene Oxide Monitors	3550 <sup>1</sup> , 3551, 3551B										
Formaldehyde Monitors	3720 <sup>2</sup> , 3721, 3721B										

<sup>†</sup>Includes prepaid analysis.

\* Nuisance level refers to concentrations not exceeding the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

<sup>1</sup> OSHA regulations require gas proof goggles be worn with half facepiece respirators when used against formaldehyde.

<sup>2</sup> 3M recommended for use against methylbromide or radioiodine up to 5 ppm with daily cartridge replacement.

See important product warnings on the last page.

# 3M™ Hearing Protection Solutions

## OSHA Requirements 29 CFR 1910.95 Occupational Noise Exposure\*

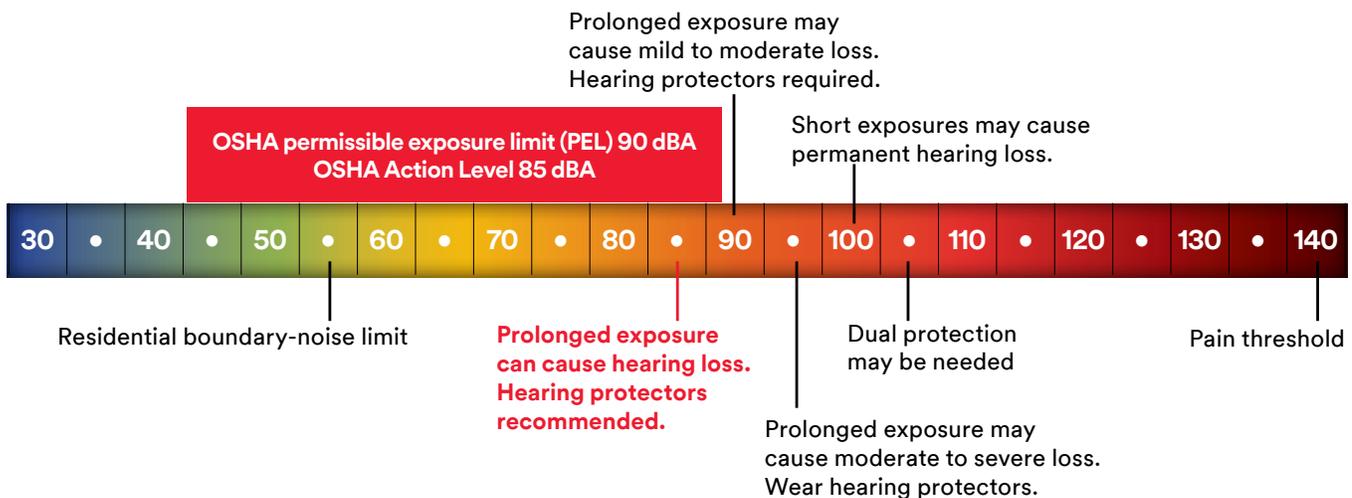
### Noise Monitoring Highlights:

- Employers must monitor noise exposures of workers
- Both area noise monitoring and personal noise monitoring (dosimetry) may be used
- If time-weighted-average (TWA) exposure of workers is 85 dBA or higher, employers must implement a hearing conservation program



### Permissible Exposure Limit (PEL)

- The 8-hour TWA noise exposure of workers cannot exceed 90 dBA
- Higher noise exposures are allowed for shorter exposure times
  - PEL for 4 hour exposures is 95 dBA
  - PEL for 2 hour exposures is 100 dBA



### Hearing Protection

- Hearing protection must be made available to all employees exposed to 8-hour TWA noise levels of 85 dBA or above and must be worn by all employees exposed to a TWA of 90 dBA and above
- Hearing protection must be provided at no cost and replaced as needed
- Employees shall be given the opportunity to select hearing protectors from a variety of suitable hearing protectors

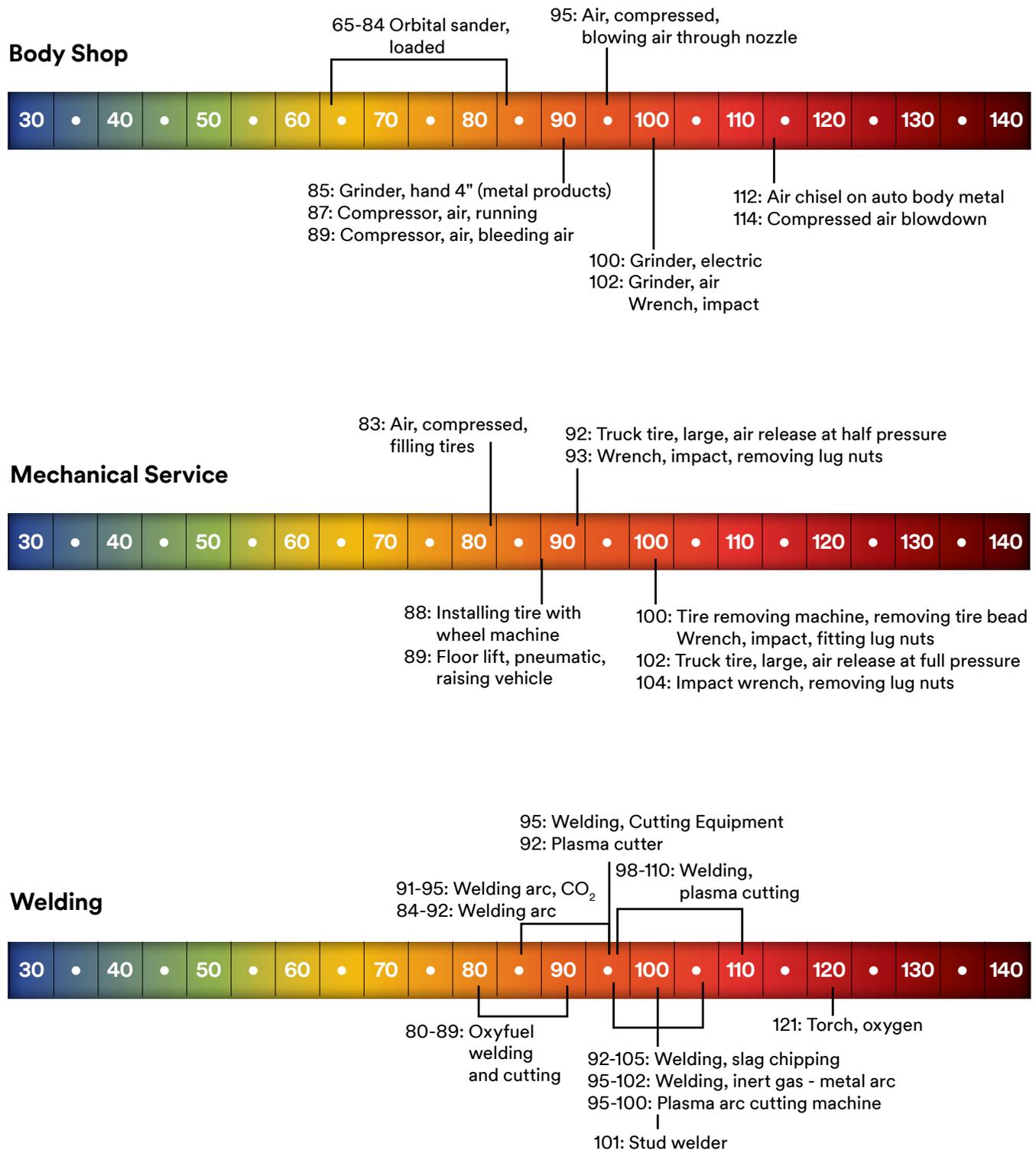
For more information on OSHA hearing regulations, go to [OSHA.gov](https://www.osha.gov).

\*Employers should thoroughly read and understand these and all applicable regulations prior to selection and use of personal protection equipment.

See important product warnings on the last page.

# 3M™ Hearing Protection Solutions

Typical Sound Levels (dBA)\*†



\*Hearing protector selection should be based upon individual exposure assessment.

†3M Noise Navigator™ Sound Level Database, 3M.com/Hearing

See important product warnings on the last page.

## Select a Hearing Protector for your Application

3M™ Hearing Protection (Many other products available)	Product Number	Typical Noise Level		
		≤105 dBA	106 -114 dBA	
	3M™ PELTOR™ X4 Earmuffs X4A Over-the-head (NRR 27 dB*) with 3M™ E-A-R-soft Yellow Neons Uncorded Earplugs (NRR 33 dB*)	X4A/37273 with 312-1250/12063		●
	3M™ PELTOR™ X1 Earmuffs X1B/67127 Behind-the-Head (NRR 22 dB*) with 3M™ E-A-R™ Classic Earplug (NRR 29 dB*)	X1B/67127 with 312-1201/12002		●
	3M™ E-A-R™ Classic Earplug NRR 29 dB*	312-1201/12002	●	
	3M™ Foam Ear Plug NRR 29 dB*	1100/29008 (uncorded) 1110/29009 (corded)	●	
	3M™ E-A-R-soft Yellow Neons Uncorded Earplugs NRR 33 dB*	312-1250/12063	●	
	3M™ Push-Ins Earplugs NRR 28 dB*	318-1000/18000 (uncorded) 318-1001/18001 (corded)	●	
	E-A-R™ Skull Screws™ Corded Earplugs NRR 32 dB*	P1301/92952 (corded) P1300/92951 (uncorded)	●	
	3M™ Pistonz Earplug Uncorded NRR 29 dB*	P1400/93401 (uncorded) P1401/93402 (corded)	●	
	3M™ PELTOR™ Optime™ 105 Ear Muff NRR 30 dB*	H10A/08101 H10B/08102 (neckband)	●	
	3M™ PELTOR™ Optime™ X4 Earmuffs X4A Over-the-head (NRR 27 dB*)	X4A/37273	●	
	3M™ PELTOR™ X1 Earmuffs X1B/67127 Behind-the-Head (NRR 22 dB*)	X1B/67127	●	

**CAUTION: 3M strongly recommends fit testing of hearing protectors. Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in hearing protector fit, fitting skill and motivation of the user. If the NRR is used, 3M recommends that it be reduced by 50% or in accordance with applicable regulations.**

See important product warnings on the last page.

# 3M™ Protective Eyewear

More than 700,000 Americans injure their eyes at work each year. About 1 in 10 injuries require one or more missed workdays to recover from. Of the total amount of work-related injuries, 10-20 % will cause temporary or permanent vision loss.\*

OSHA mandates that employers provide — at no cost — eye, face and noise protection to employees exposed to hazards AND that employers ensure it be used. OSHA also has a recent directive that all inspectors are to be making sure employers are adhering to its personal protective equipment standard.

Health risks to the employees translate directly into business risks for employers. Not only does the employee suffer, but these types of injuries are very costly to the bottom line of any shop. Direct and indirect costs to the business owner can include:

- Emergency response and medical treatment
- Rising workers compensation costs
- OSHA citations and fines
- Lost time and productivity
- Reduced company competitiveness
- Replacement employee training
- Administrative costs

\*Prevent Blindness America

\* Source: <http://www.preventblindness.org/eye-safety-work> and <http://www.preventblindness.org/ten-ways-prevent-eye-injuries-work2008>.



# Eye injuries can happen when you least expect them. Be prepared.

See important product warnings on the last page.

# Top Picks in 3M™ Eyewear

Express a sense of style on-the-job. 3M brings the best of health and safety to the automotive aftermarket with these great safety eyewear. Not only do they encourage compliance, but they complement existing products you trust from 3M. **All eyewear shown is approved to CSA Z94.3 Eye and Face Protector Standard and meets ANSI Z87.1 Standard.**

## 3M™ Virtua CCS Protective Eyewear with Foam Gasket



**11872**  
Clear Anti-Fog Lens  
Removable, foam lined gasket, vented



**11873**  
Gray Anti-Fog Lens  
Removable, foam lined gasket, vented



**11874**  
Indoor/Outdoor  
Mirrored Anti-Fog Lens  
Removable, foam lined gasket, vented

## 3M™ Light Vision™



**62111**  
3M™ Light Vision™ 2  
Clear, Anti-Fog Lens, Dual LED Light  
\*Readers available, see page 18.

## 3M™ Economy Protective Eyewear



3M™ Securefit  
SF201AF/65717  
Clear Anti-Fog Lens  
SF201AS/65720  
Clear Anti-Scratch Lens



3M™ Securefit  
SF202AF/65718  
Gray Anti-Fog Lens



3M™ Securefit  
SF203AF/65719  
Amber Anti-Fog Lens



3M™ Solus™ Safety Glasses  
S1101SGAF/27186  
Black/Blue, Clear Scotchgard™ Anti-Fog Lens



66211  
3M™ SecureFit™  
Protective Eyewear  
SF401AF, Clear Anti-fog  
Lens, 20 EA/Case



66213  
3M™ SecureFit™  
Protective Eyewear  
SF410AS, Indoor/  
Outdoor Mirror Lens,  
20 EA/Case



66212  
3M™ SecureFit™  
Protective Eyewear  
SF402AF, Gray Anti-fog  
Lens, 20 EA/Case



56391  
3M™ SecureFit™ 3700 Series,  
SF3701XSGAF-RED,  
Gray Temple, Brow Guard, Scotchgard™ Anti-Fog,  
Clear OTG AF-AS lens

## Available in Readers



66513  
3M™ SecureFit™  
Protective Eyewear  
SF420AF, Clear Lens,  
+2.0 Diopter,  
20 EA/Case



66512  
3M™ SecureFit™  
Protective Eyewear  
SF425AF, Clear Lens,  
+2.5 Diopter,  
20 EA/Case



66514  
3M™ SecureFit™  
Protective Eyewear  
SF415AF, Clear Lens,  
+1.5 Diopter,  
20 EA/Case

## 3M™ GoggleGear™ 500 Series



**27455**  
3M™ GoggleGear™  
GG501SGAF  
Clear Scotchgard™ Anti-fog lens

See important product warnings on the last page.

# Weld with confidence.

When it comes to your team’s safety, you want only the highest quality welding products. But you also want your workers to be comfortable on the job. That’s why we have designed our 3M™ Speedglas™ Welding Helmets and 3M™ Adflo™ Powered Air Purifying Respirators to help protect eyes, lungs, hearing, head and more from everyday hazards while providing lighter weight and more comfort.

## 9002NC

AAD (27607): 04-0100-20NC



### Robust and slim

This helmet incorporates 3M Speedglas’ natural color technology. Advanced auto-darkening optics are easily adjusted to meet your working conditions for a lighter, brighter and more detailed view of your welds. And a slim profile means less constriction in tight spaces.

## 9100 FX-Air

AAD (94382) 36-1101-30iSW



### Comfort and protection you can build on

Switching gears is easy with a helmet that’s up for multiple tasks. With integrated protection offered by 3M PAPR systems, workers can go from welding to grinding without removing, locating or foregoing their PPE.

## 9100 XXi

AAD (56475) 06-0100-30iSW



### Full-featured helmet with the maximum number of options

Protecting your eyes and face from radiation, heat and sparks—while providing a precise view of your work—makes your Speedglas welding helmet 9100 one of your most important welding tools. Has our natural color technology. Safety glasses are to be worn underneath to protect against impact.

## Ordering Information

		AAD PN	Prod No.	Item Description	Qty/Case
Helmets	9100 Series	56475	06-0100-30iSW	3M™ Speedglas™ Welding Helmet 9100, 06-0100-30iSW, with Auto-Darkening Filter 9100XXi	1/Case
		49675	06-0600-30SW	3M™ Speedglas™ Welding Helmet 9100 FX 06-0600-30SW, Side Windows Auto-Darkening Filter 9100XX Shade 5, 8-13	1/Case
	9002NC Series	27607	04-0100-20NC	3M™ Speedglas™ Welding Helmet 9002NC 04-0100-20NC	1/Case
	100 Series	37232	07-0012-31BL	3M™ Speedglas™ Welding Helmet 100 Black with Auto-Darkening Filter 100V 07-0012-31BL/37232(AAD)	1/Case
Welding P&SA Systems	9100 FX Air: Powered Air	94384	35-1101-30iSW	3M™ Adflo™ PAPR with 3M™ Speedglas™ Welding Helmet 9100-Air, 35-1101-30iSW, HE Filter, Li Ion Batt, ADF 9100XXi	1/Case
		94382	36-1101-30iSW	3M™ Adflo™ PAPR with 3M™ Speedglas™ Welding Helmet 9100 FX-Air, 36-1101-30iSW, HE filter, Li Ion Batt, ADF 9100XXi	1/Case
		94383	37-1101-30iSW	3M™ Adflo™ PAPR HE System with 3M™ Speedglas™ Welding Helmet 9100 MP, 37-1101-30iSW	1/Case

See important product warnings on the last page.

## Ordering Information Continued

		AAD PN	Prod No.	Item Description	Qty/ Case		
9100 Series		56474	06-0000-30i-KIT	3M™ Speedglas™ Auto Darkening Filter 9100XXi with Silver Front Panel, 06-0000-30i-KIT	1/Case		
		49522	06-0014-00NR	3M™ Speedglas™ 9100 Hard Hat Adapter 06-0014-00NR, for 3M™ Speedglas™ Welding Helmet 9100 (Hard Hat not included)	1/Case		
		49678	06-0700-54	3M™ Speedglas™ Wide-View Clear Grinding Visor 9100 FX/9100 FX-Air, 06-0700-54, Anti-Fog treated	5/Case		
		56141	06-0200-30	3M™ Speedglas™ Inside Protection Plate 9100XX 06-0200-30	5/Case		
		56192	06-0200-51	3M™ Speedglas™ Welding Helmet Outside Protection Plate 9100 06-0200-51/37174(AAD)	10/Case		
		9002NC		27609	04-0000-21NC	3M™ Speedglas™ Welding Filter 9002NC 04-0000-21NC	1/Case
				49531	07-0014-00NR	3M™ Speedglas™ 100 Hard Hat Adapter, Welding Safety 07-0014-00NR, for 3M™ Speedglas™ Welding Helmet 100 Series (Hard Hat not included), Compatible with 9002NC	1/Case
				49521	04-0270-01	3M™ Speedglas™ Welding Helmet Outside Protection Plate 9000 04-0270-01	10/Case
				93035	04-0280-01	3M™ Speedglas™ Inside Protection Plate 9002NC with +1 shade 04-0280-01, standard plate with no additional shade is 04-0280-00	5/Case
		100 Series		37246	07-0001-31	3M™ Speedglas™ Auto-Darkening Filter 100V 07-0001-31/37246 (AAD), Variable Shade 8-12	1/Case
49531	07-0014-00NR			3M™ Speedglas™ 100 Hard Hat Adapter, Welding Safety 07-0014-00NR, for 3M™ Speedglas™ Welding Helmet 100 Series (Hard Hat not included)	1/Case		
37243	07-0200-51			3M™ Speedglas™ Outside Protection Plate 100 07-0200-51/37243(AAD), Standard	10/Case		
37244	07-0200-52			3M™ Speedglas™ Outside Protection Plate 100 07-0200-52/37244(AAD), Scratch Resistant	10/Case		
37136	04-0290-00			3M™ Speedglas™ Welding Helmet Inside Protection Plate 04-0290-00/37136(AAD)	5/Case		
Welding P&SA Systems	Adflo Assemblies	27708	38-1101-30iSW	NEW 3M™ Adflo™ PAPR and Versaflo™ M-Series Helmet Kit with Speedglas™ Welding Shield 38-1101-30iSW, Li Ion Battery, ADF 9100XXi, replaces L-9055G	1/Case		
		56147	35-5401-00	3M™ Adflo™ Turbo Assembly 35-5401-00, Lithium Ion Battery	1/Case		
	Supplied Air Kits	27781	26-5702-30iSW	3M™ Speedglas™ FA III SAR V-100 and Speedglas™ Welding Helmet 9100 FX-Air, 26-5702-30iSW, ADF 9100XXi	1/Case		
		27784	27-5702-30iSW	3M™ Speedglas™ FA III SAR V-100 Valve and Speedglas™ Welding Helmet 9100 MP, 27-5702-30iSW, ADF 9100XXi	1/Case		
Welding P&SA Accessories	Adflo Accessories & Replacement Parts	37147	15-1101-99	3M™ Adflo™ High Efficiency Starter Kit 15-1101-99/37147(AAD)	1/Case		
		92600	15-0299-99x06	3M™ Adflo™ Powered Air Purifying Respirator (PAPR) High Efficiency Particulate Filter 15-0299-99X06	6/Case		
		37145	15-0299-99x02	3M™ Adflo™ Powered Air Purifying Respirator (PAPR) High Efficiency Particulate Filter 15-0299-99X02/37145(AAD)	2/Case		
		92598	15-0099-99x12	3M™ Adflo™ Prefilter 15-0099-99X12	12/Case		
		49901	15-0499-99x02	3M™ Adflo™ Replacement Cartridges 15-0499-99X02, Organic Vapor/Acid Gas(OV/SD/CL/HC)	2/Case		
		56081	35-0099-08	3M™ Adflo™ PAPR Battery Smart Charger 35-0099-08, for Lithium Ion Battery	1/Case		
		56082	35-1099-07	3M™ Adflo™ Powered Air Purifying Respiratory (PAPR) Battery, 35-1099-07, Lithium Ion	1/Case		
		17358	BPK-01	3M™ Versaflo™ Back Pack BPK-01 for Adflo PAPR	1/Case		
		37268	SG-30W	3M™ Speedglas™ Self-Adjusting Breathing Tube SG-30W/37268(AAD)	1/Case		
		49870	SG-15	3M™ Speedglas™ Breathing Tube Cover SG-15	1/Case		

See important product warnings on the last page.

# 3M™ Protective Coveralls

## Designed for the Demands of the Workplace

Harmful dust, light liquid splashes and sprays. These are just some of the potential dangers inherent in your workplace. 3M offers a line of quality disposable coveralls to help protect you and your workers. Used for a variety of applications, 3M™ Protective Coveralls offer quality and reliability: helping workers to maneuver freely and do their jobs effectively.

- Breathable material options to help reduce heat buildup and promote comfortable wear, while helping to protect against certain dusts and light liquid splashes
- Knit cuffs, elasticized waist and ankles for increased comfort and freedom of movement
- Three panel hood design for better compatibility with complementary PPE
- Two-way zipper with sealable storm flap for additional protection
- Reinforced gusset for increased durability
- Low-linting material with anti-static coating

### 3M™ Protective Coverall 4510, entry level splash and dust protection

#### Typical Applications

- Metal polishing
- Machine or vehicle maintenance
- Cleanup and processing
- Paint spraying



### 3M™ Protective Coverall 4520, entry level protection with comfort

#### Typical Applications

- Light-duty building cleaning
- Fiberglass



See important product warnings on the last page.

# 3M™ Protective Coveralls

## 3M™ Protective Coverall 4540+, enhanced performance with comfort built in

### Typical Applications

- Paint spraying
- Vehicle processing



## 3M™ Protective Overboots 450 add-on accessory for footwear protection

- Constructed from laminated microporous material with a slip resistant sole
- One size with ties and elastic at the calf to provide a good fit



Part Number	Description	Packout Qty.	UPC
00582	Protective Coverall 4510, medium	20 Bags/Case	000 51131 49788 7
00583	Protective Coverall 4510, large	20 Bags/Case	000 51131 49789 4
00584	Protective Coverall 4510, XL	20 Bags/Case	000 51131 49790 0
00585	Protective Coverall 4510, XXL	20 Bags/Case	000 51131 49791 7
00586	Protective Coverall 4510, 3XL	20 Bags/Case	000 51131 49792 4
00587	Protective Coverall 4510, 4XL	20 Bags/Case	000 51131 49793 1
46768	Protective Coverall 4520, medium	20 Bags/Case	000 51131 49794 8
46770	Protective Coverall 4520, large	20 Bags/Case	000 51131 49795 5
46772	Protective Coverall 4520, XL	20 Bags/Case	000 51131 49796 2
46774	Protective Coverall 4520, XXL	20 Bags/Case	000 51131 49797 9
46776	Protective Coverall 4520, 3XL	20 Bags/Case	000 51131 49798 6
46778	Protective Coverall 4520, 4XL	20 Bags/Case	000 51131 49799 3
00601	Protective Coverall 4540+, medium	20 Bags/Case	000 51131 49806 8
00602	Protective Coverall 4540+, large	20 Bags/Case	000 51131 49807 5
00603	Protective Coverall 4540+, XL	20 Bags/Case	000 51131 49808 2
00604	Protective Coverall 4540+, XXL	20 Bags/Case	000 51131 49809 9
00605	Protective Coverall 4540+, 3XL	20 Bags/Case	000 51131 49810 5
00606	Protective Coverall 4540+, 4XL	20 Bags/Case	000 51131 49811 2
52571	Protective Overboots 450	100 Pairs/Case	040 46719 52571 3

\*When FR is required, it must be worn over a primary protective garment and not worn next to skin. Cuffs are not flame resistant.

See important product warnings on the last page.

# Selected Occupational Safety and Health Administration (OSHA) and the American National Standards Institute (ANSI) Standards\*

## OSHA 29 CFR 1910.133 Eye and Face Protection

### 1910.133(a)(1)

“The employer shall ensure that each affected employee uses appropriate eye or face protection when exposed to eye or face hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.”

### 1910.133(a)(2)

“The employer shall ensure that each affected employee uses eye protection that provides side protection when there is a hazard from flying objects. Detachable side protectors (e.g. clip-on or slide-on side shields) meeting the pertinent requirements of this section are acceptable.”

### 1910.133(a)(3)

“The employer shall ensure that each affected employee who wears prescription lenses while engaged in operations that involve eye hazards wears eye protection that incorporates the prescription in its design, or wears eye protection that can be worn over the prescription lenses without disturbing the proper position of the prescription lenses or the protective lenses.”

### 1910.133(a)(5)

“The employer shall ensure that each affected employee uses equipment with filter lenses that have a shade number appropriate for the work being performed for protection from injurious light radiation.”

For complete OSHA standards, go to [OSHA.gov](http://OSHA.gov).

## ANSI

The **American National Standards Institute (ANSI)** is a private non-profit organization that oversees the development of voluntary consensus standards for products, services, processes, systems, and personnel in the United States. The organization also coordinates U.S. standards with international standards so that American products can be used worldwide.

ANSI accredits standards that are developed by representatives of other standards organizations, government agencies, consumer groups, companies, and others. These standards ensure that the characteristics and performance of products are consistent, that people use the same definitions and terms, and that products are tested the same way. ANSI also accredits organizations that carry out product or personnel certification in accordance with requirements defined in international standards.

### Impact Spectacles - ANSI Z87.1

Impact spectacles shall be capable of resisting an impact from a pointed projectile weighing 17.6 oz. dropped from a height of 50 inches.

Impact spectacles shall be capable of resisting impact from a ¼ inch steel diameter ball traveling at a velocity of 150 feet per second.

All of our eye and face protectors listed in this catalog meet the Impact requirements of ANSI Z87.1

Impact spectacles shall be capable of resisting a penetration by a weighted needle with minimum weight of 1.56 oz dropped from a height of at 127 cm.

### Faceshields - ANSI Z87.1

A protector intended to shield the wearer's face, or portions thereof from certain hazards, as indicated by the faceshield's markings. Faceshields shall be worn only in conjunction with spectacles or goggles.

### Welding Helmet - ANSI Z87.1

A device intended to provide protection specifically to the eyes and face against welding-related optical radiation and weld spatter.

\*Employers should thoroughly read and understand these and all applicable regulations prior to selection and use of personal protection equipment.

See important product warnings on the last page.

# 3M Respirator Applications Wheel

## Possible Solutions for Common Activities

- ① Use up to 10 times the PEL (\*\*)
  - ② Use up to 25 times the PEL (\*\*)
  - ③ Use up to 50 times the PEL (\*\*)
  - ④ Use up to 1,000 times the PEL (\*\*)
- PEL = Permissible Exposure Limit



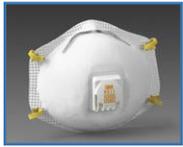
3M™ Full Facepiece Respirators  
6000 Series, 54145, 54146, 54159  
③



3M™ Half Facepiece Respirators\*  
Bodyman Packout  
07181, 07182, 07183, P100  
①



3M™ Speedglas™ Products  
37263, 37264, 37265  
②



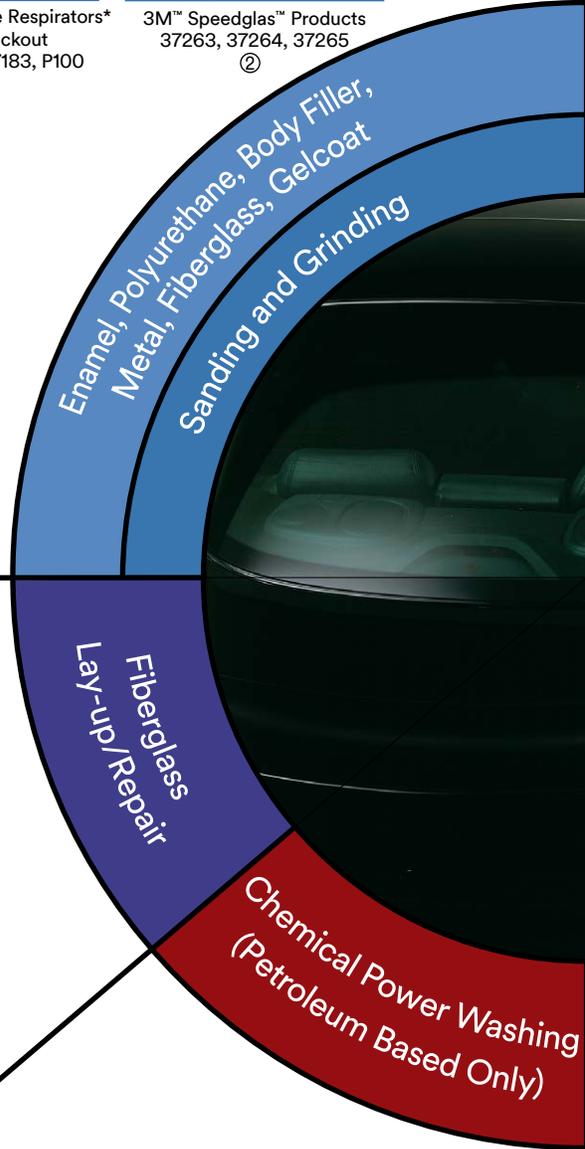
3M™ Particulate  
Respirator 07185, N95  
①



3M™ Particulate  
Respirator 07048, N95  
①



3M™ Adflo™ Powered Air Purifying Respirator HE System with  
3M™ Speedglas™ Welding Helmet 36-1101-30iSW/94382  
②



### LOW MAINTENANCE



3M™ Disposable Half Facepiece  
Respirator 07191, 07192, 07193, P95  
①

### PROFESSIONAL SERIES



3M™ Professional Respirator Packout  
37077, 37078, 37079 with 3M™ Filter  
Retainers 17668 and Filter 07194, P95  
①



3M™ Disposable  
Protective Coverall  
4520 Series



3M™ Versaflo™ Powered Air Purifying Respirator (PAPR)  
Painters Kit TR-800-PSK/94248  
②



3M™ Ultimate FX Full  
Facepiece Reusable  
89418, 89421, 89424  
③



3M™ Professional Series Half  
Facepiece Respirator with  
3M™ Face Shield Kit 37106  
①

See important product warnings on the last page.



3M™ Disposable Half Facepiece Respirator 07191, 07192, 07193, P95

①



3M™ Organic Vapor Cartridge/Particulate Filter, P95 Packout 07195

①



3M™ Ultimate FX Full Facepiece Reusable Respirator FF-400 Series 89418, 89421, 89424

③



3M™ Professional Series Respirator Assembly 37077, 37078, 37079

①



3M™ Versaflo™ Hood Assembly 37301

Enamel, Lacquer, Epoxy  
Bed Liner Coating  
Refinishing



3M™ Disposable Protective Coverall 4540+ Series



3M™ Versaflo™ Powered Air Purifying Respirator (PAPR) Painters Kit TR-800-PSK/94248

②

Welding  
Steel, Zinc Oxide,  
Stainless, Galvanized



3M™ Adflo™ Powered Air Purifying Respirator HE System with 3M™ Speedglas™ Welding Helmet 36-1101-30iSW/94382

②



3M™ Particulate Welding Respirator 07189, N95

①

Brake and Clutch  
Undercoating and  
Rustproofing



3M™ Half Facepiece Respirators Bodyman Packout\* 07181, 07182, 07183, P100

①



3M™ Half Facepiece Respirators Clutch and Brake Packout 07001, 07002, 07003

①



3M™ Particulate Welding Respirator 66192, N95

①

\* 3M recommended for relief against nuisance levels of organic vapors. Nuisance level organic vapor refers to concentrations not exceeding OSHA PEL or applicable exposure limits, whichever is lower.

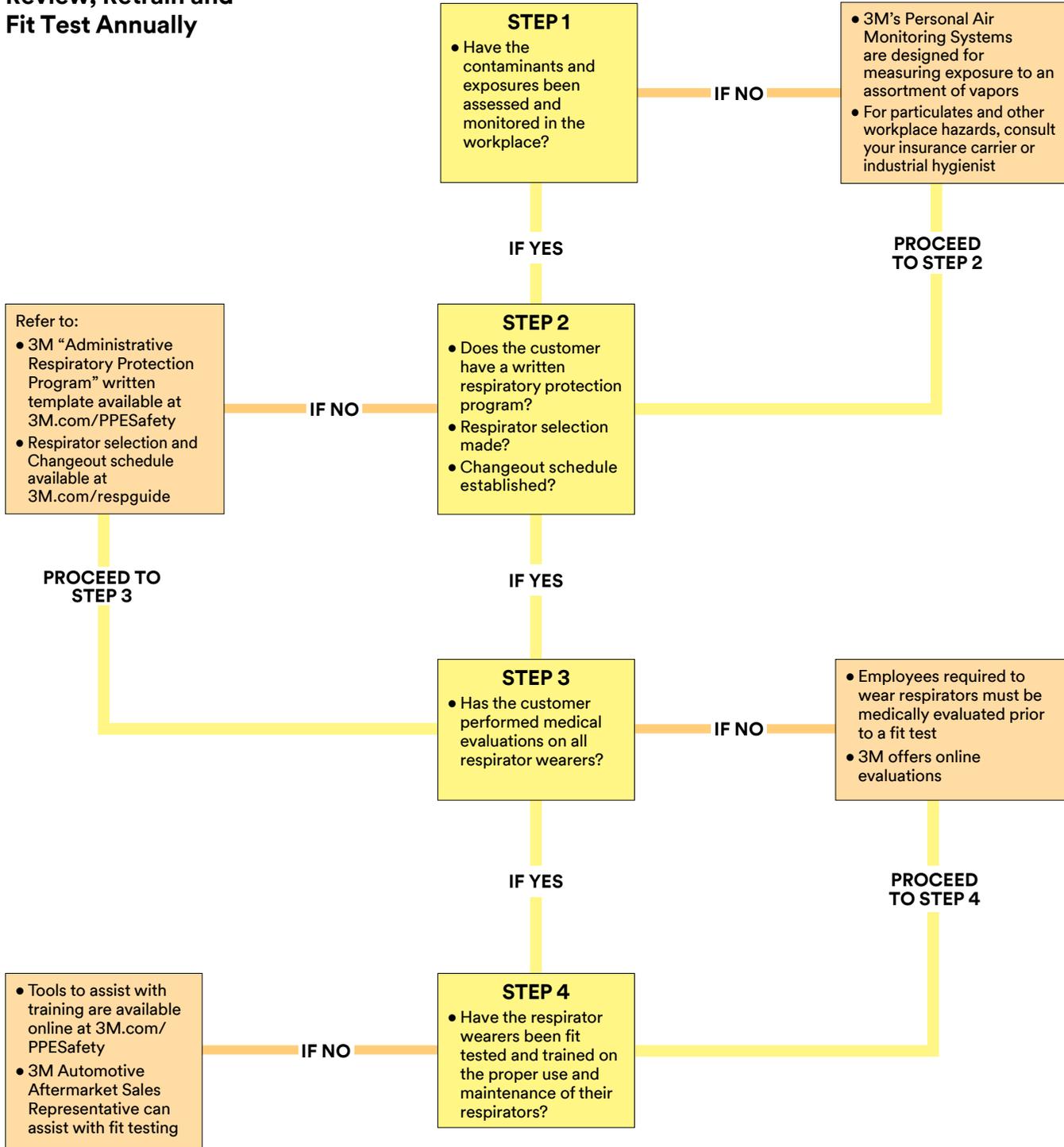
\*\* Respirator selection and use should be in accordance with applicable safety and health standards, or pursuant to the recommendations of an industrial hygienist.

NOTE: Quantitative fit testing must be completed for 50 times the PEL.

See important product warnings on the last page.

# Respirator Administration and Workplace Hazard Identification Process\*

## Review, Retrain and Fit Test Annually



\*For complete requirements of OSHA's respirator standard, 29 CFR 1910.134, go to OSHA.gov.  
See important product warnings on the last page.

## Your respiratory protection program starts here.

As the safety administrator, running a successful respiratory protection program means navigating a maze of regulations and anticipating hazards. Consider us a helpful resource. Whenever you are in the process, we can help guide you to the right information.

To run a successful workplace respiratory protection program, you must understand and comply with the standards set by state and federal administrations like the Occupational Safety and Health Administration (OSHA). If you've already started your research, you know it can be overwhelming. To help you make sense of it all, we've summarized key elements of the federal standard and give ideas for how to comply with each one.

## Highlights of the OSHA regulations on respiratory protection.

When respiratory protection is required by OSHA, a written respiratory protection program has to be established. That means the designated program administrator must oversee the following:

- Assessment of exposure to airborne contaminants
- Selection of appropriate respirators
- Evaluation of employees' health to make sure they can wear a respirator
- Fit-testing and training of employees regularly
- Inspection, repair, cleaning, storage and replacement of respirators as needed
- Review of the program periodically to make sure it's being run properly
- Keeping a written record of all of the above

Each part of the program can seem complex. Although as a safety administrator you must follow all applicable rules and regulations, we've outlined key highlights to help you navigate them.

Site: *OSHA Federal Regulation 29 CFR 1910.34*

To learn more, visit [3M.com/RespiratorFitTesting](https://www.3m.com/RespiratorFitTesting)

# Consider us a helpful resource.



17309

### 3M™ Organic Vapor Monitor 3510

The 3M™ Organic Vapor Monitor 3510 uses the proven scientific principle of diffusion, which is the gradual mixing of molecules of two or more substances. It has a single charcoal sorbent wafer for easy collection of organic vapors and can be used for many applications.

## Cartridge Changeout Program

3M continues to provide safety options to our customers through products, services, and solutions. 3M's Cartridge Changeout Program (CCOP) is an online tool that allows you to register and update automated cartridge replacement through the distributor of your choice. This program will assist in your written respiratory program compliance, OSHA standard 1910.134

Please contact your local 3M Sales Representative for details or visit [3M.com/CCOP](http://3M.com/CCOP).



## 3M Select & Service Life Software

3M has designed software to help make the selection of 3M™ Respirators easier and to help estimate the service life of 3M™ Gas and Vapor Cartridges.

Go to: [3M.com/SSLS](http://3M.com/SSLS) for more information.

## Regulatory Compliance Services Offered:

Respirator Medical Evaluations: Online

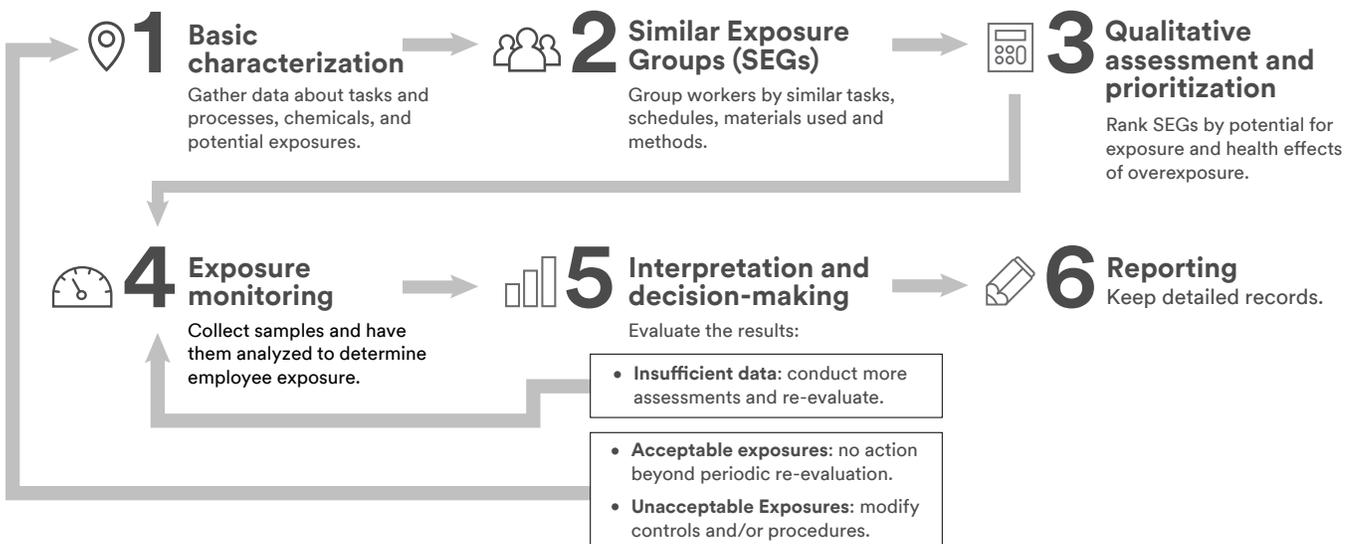
### Online Respirator Medical Evaluations

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 online recordkeeping to track employee status. Available in English and Spanish.

Try an online demo at:  
[respexam.com](http://respexam.com)

For additional information on these services, please visit [respexam.com](http://respexam.com), call 1-800-383-3393 or contact your local 3M Sales Representative.

## Exposure assessment is a continuous process.



See important product warnings on the last page.

# Fit Testing Kits and Accessories



## FT-10 Kit: Part # 16358

- Laminated instructions booklet
- Sweet sensitivity & fit test solutions
- 2 nebulizers, 1 hood and 1 collar assembly
- Cardboard carrying case



## FT-30 Kit: Part # 54203

- Laminated instructions booklet
- Bitter sensitivity & fit test solutions
- 2 nebulizers, 1 hood and 1 collar assembly
- Cardboard carrying case



16353  
3M™ Test Hood, FT-14



16359  
FT-11 Sensitivity Solution (Sweet)



16356  
FT-12 Fit Test Solution (Bitter)



54204  
FT-31 Sensitivity Solution



54205  
FT-32 Fit Test Solution (Bitter)



16357  
3M™ Nebulizer, FT-13



16354  
3M™ Collar, FT-15

\* Please contact your 3M sales representative or [3M.com/RespiratorFitTesting](http://3M.com/RespiratorFitTesting)

See important product warnings on the last page.

	<p align="center"><b>⚠WARNING</b></p> <p><b>Respiratory Products (See pages 2-13)</b></p>	<p align="center"><b>⚠WARNING</b></p> <p><b>Eye and Face Products (See pages 17-18)</b></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. <b>Misuse may result in sickness or death.</b> For correct use, consult your supervisor or <i>User Instructions</i> or call 3M PSD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.</p>	<p>These eye and face protection products help provide limited eye and face protection. <b>Misuse or failure to follow warnings and <i>User Instructions</i> may result in serious potential injury, including blindness or death.</b> For correct use, consult your supervisor or <i>User Instructions</i> or call 3M PSD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.</p>
	<p align="center"><b>⚠WARNING</b></p>	<p align="center"><b>⚠WARNING</b></p>
	<p><b>Hearing Protection Products (See pages 14-16)</b></p> <p>Choking Hazard—Keep away from infants and small children. These hearing protectors help reduce exposure to hazardous noise and other loud sounds. <b>Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.</b> For correct use, consult your supervisor or <i>User Instructions</i> or call 3M PSD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 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><b>Welding Helmets (See pages 19-20)</b></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. <b>Misuse may result in permanent eye injury and vision loss.</b> Always wear ANSI Z87.1 compliant safety spectacles in addition to any welding helmet. For correct use, consult your supervisor or <i>User Instructions</i> or call 3M PSD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.</p>
	<p><b>NRR footnote:</b> CAUTION: 3M strongly recommends fit testing of hearing protectors. Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in hearing protector fit, fitting skill and motivation of the user. If the NRR is used, 3M recommends that it be reduced by 50% or in accordance with applicable regulations.</p>	<p align="center"><b>⚠WARNING</b></p> <p><b>Protective Coveralls (See pages 21-22)</b></p> <p>These protective coveralls help protect against certain liquid splashes and hazardous dusts. Before use wearer must read and understand the <i>User Instructions</i> provided as part of the product packaging. <b>Failure to follow all instructions on the use of these protective clothing products and/or failure to wear the complete product during all periods of exposure may adversely affect the wearer's health, or lead to severe or life threatening illness or permanent disability.</b> Final determination as to the suitability of these products for a particular situation is the employer's responsibility. For correct use, consult your supervisor or <i>User Instructions</i> or call 3M PSD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 800-267-4414.</p>

## For More Information

### In U.S.

Technical Assistance 800-243-4630  
Customer Care Center 800-328-1667

### In Canada

Technical Assistance 800-267-4414  
Customer Care 800-364-3577



**Personal Safety Division**  
3M Center - Building 235-2W-70  
St. Paul, MN 55144-1000

Please recycle. Printed in USA.  
© 3M 2019. All rights reserved.  
70-0716-7094-0

3M PSD products are occupational use only.  
3M and Speedglas are trademarks of 3M Company.  
PELTOR is a trademark of 3M Svenska, and is used under license.  
All other trademarks are owned by 3M.