



Science.  
Applied to Life.™

# Nuclear Power Generation

Personal Protective  
Equipment (PPE) Solutions

# For **50<sup>+</sup>** years, the safety behind your success

3M helps protect workers in a changing world. Across diverse industries and applications, our technology, expertise and energy drive innovative solutions. Our goal is to help protect you from hazards in the work environment, so you can focus on the job at hand.

In 2022, the Personal Safety Division celebrated the 50-year anniversary of the first U.S. Government-approved 3M filtering facepiece respirator, and the 3M™ E-A-R™ Classic Ear Plug.

Here at 3M, one thing remains the same when it comes to developing Personal Protective Equipment (PPE) to help get your workers back home: we apply science to life, helping protect workers' health and safety on the job, for employees today and tomorrow. Learn more about the history of our advancements and where we are going next.

**50<sup>+</sup>** Years of  
Health and   
Safety Leadership

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# Worker Safety in Nuclear Power Plants

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Due to fast-changing political, social and macroeconomic dynamics in the world, nuclear power has assured its place as an increasingly strategic global source of energy. With more than 430 operable nuclear reactors worldwide (as of September 2022), more than 30 countries are actively investing in nuclear power generation.\*

Dedication to safety lies at the core of the industry. And with years of experience advancing the science of safety, 3M is here to help – with a comprehensive set of quality personal safety solutions and the support you need to get the most from them. We know keeping a skilled workforce safe throughout operation or long time-spans of outages and decommissioning is not an easy task, and must be well planned for the long run.

This catalog serves to help support health and safety decision makers in the nuclear power generation industry, by helping you choose the appropriate personal protective equipment (PPE) for critical nuclear hazards your workers may face during the maintenance or decommissioning of nuclear reactors.

Find PPE information and more at

**[3M.co.uk/safety](https://www.3m.co.uk/safety)**

\*World Nuclear Association



## Worker Safety During Nuclear Power Plant Outages

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The complexity of maintenance during an outage calls for reliable and comfortable Personal Protection Equipment. At 3M, we recognize potential risks and hazards, and we are ready to provide you with comprehensive PPE solutions for critical worker tasks, including, but not limited to:

- Changing control rods below reactor
- Refueling
- Line breaking
- Waste fuel management
- High energy work (i.e., welding)
- Turbine repair
- Maintenance work
- Replacement of components
- Testing and inspection



## Worker Safety During Nuclear Power Plant Decommissioning

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Tough conditions and the long duration of decommissioning projects create the need for a continuous supply of highly reliable Personal Protective Equipment. Decommissioning work is often undertaken in restrictive areas (e.g., difficult access), confined spaces and highly hazardous applications. 3M is ready to assist you with comfortable and compatible PPE solutions for certain tasks throughout the decommissioning process, including:

- Dismantling
- Decontamination
- Confined space work
- Lead abatement
- Waste disposal
- Asbestos abatement

# Common Hazards in Nuclear Power Plants

The most common hazards associated while working in a nuclear power plant can include airborne hazards, falls from height, noise and the need for communication. Additional hazards include working in confined spaces, protecting workers from flying objects and liquid splash, and exposures workers may encounter when working with chemicals or when welding. There are more – and 3M can help you and your team be prepared for common hazards during outages and decommissioning.

## Common Hazards

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Airborne hazards



Radiation exposure hazards



Working at heights hazards



Noise exposure hazards



Flying particles



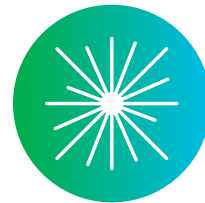
Confined spaces



Welding fume



Radiant heat



Welding radiation

# Where trust is a must



## 3M Personal Protective Equipment for the Nuclear Power Generation Industry

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Products that work as hard as you do. From the most basic to the most specialized needs, 3M offers the health and safety protection you and your workers need most, so everyone can perform at their best.



Powered & Supplied Air Respirators



Reusable Respirators



Disposable Respirators



Welding



Fall Protection



Hearing Protection



Communication Solutions



Head Protection



Eye Protection



SCBA (Self-Contained Breathing Apparatus)



Protective Coveralls



Confined Space Entry & Exit



# Respiratory Protection

Help protect your workers from potentially hazardous exposures with 3M's selection of respiratory protection. Choose the appropriate protection for your team's working conditions.



## Powered and Supplied Air Respirator Systems

When comfort is designed into respiratory protection products, workers can focus on the work and not the PPE. The 3M™ Versaflo™ Powered Air Purifying Respirator is engineered for versatility and customization, so you can build the system that works for your workers. Choose from a wide range of headgear, breathing tubes and blower units to customize a Powered Air Respirator solution that works for your environments.



Fully integrated safety, with options for respiratory, head, eye, hearing, skin protection and more.



Designed to work in concert for maximum comfort.



Loose fitting headgear can eliminate fit-testing and accommodate limited facial hair, saving you and your workers hassle.



### Comfort

Uncomfortable environments are part of the job. However, with 3M™ Versaflo™ Powered Air Respirator Systems, your workers may experience added comfort wearing their PPE, which may help to reduce workplace injuries and improve compliance.



### Ease

Easy to use and easy to maintain, 3M™ Versaflo™ Powered Air Systems make for an easy choice.



### Versatility

From nuclear power plant outages to decommissioning and everywhere in between, 3M™ Versaflo™ Powered Air Systems offer an integrated system you can easily customize.

## Introduction to Powered Air Respirator Systems

### 1 Headtop and Breathing Tube

From the durable hardtops of the M-Series, the versatile S-Series hoods and headcovers, or the convenience of your existing tight-fitting 3M facepieces, 3M™ Versaflo™ Powered Air Systems offer a wide range of compatible headtop options.

### 2 Turbo

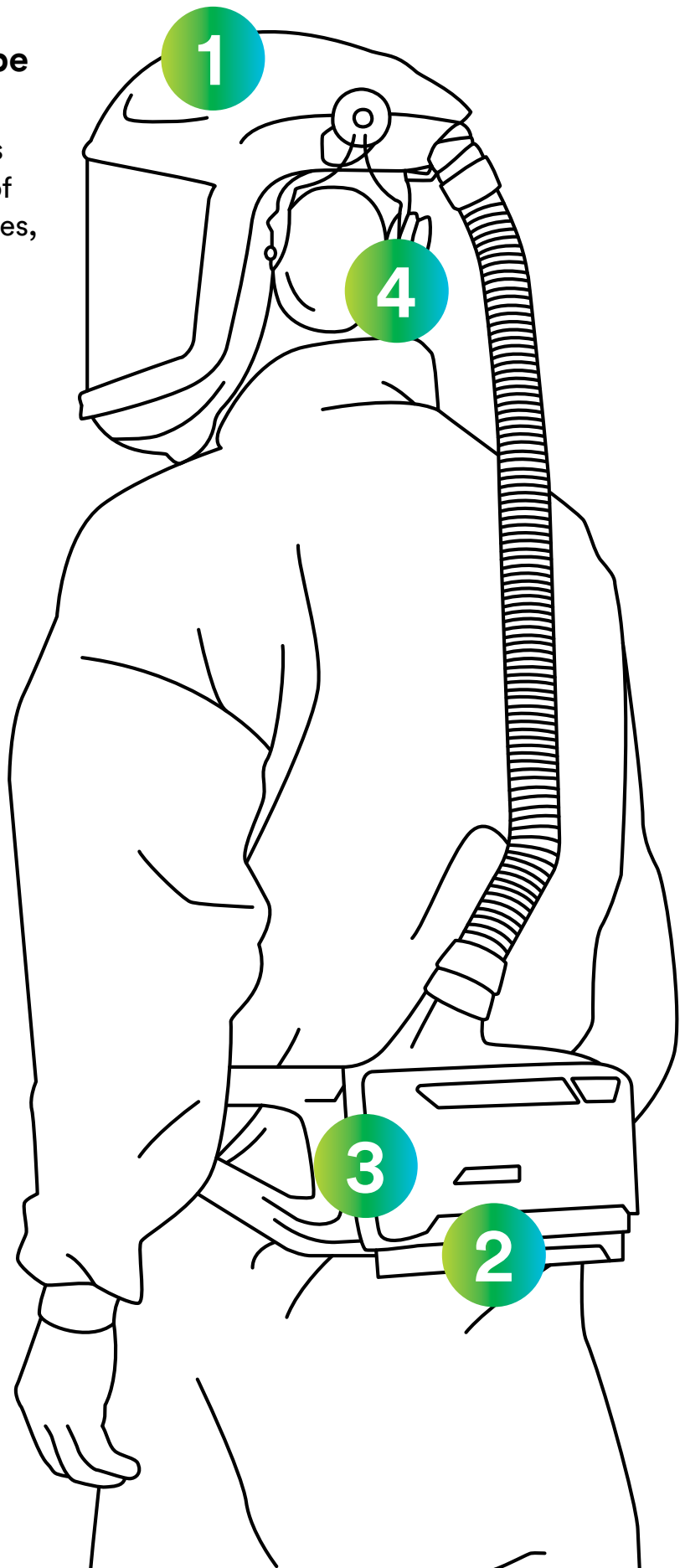
Providing filtered air to your workers is the next step. Our advisors will help you make your choice, whether you need protection from particulates or gases/vapours, and whether you need intrinsic safety, submersible cleaning, or vibratory alarms.

### 3 Filter

Another important part of the PAPR system, filters help protect workers from particulates, while combination filters offer protection from particulates and certain gases and vapours.

### 4 Accessories

Each job is unique. From the added functionality of ear muffs, to the improved durability of peel-offs, cleaning and so much more, you have the accessories you need to customize and maximize ease of use.



## Choose your headtop

3M™ Versaflo™ Powered Air Systems offer a variety of headtop options suited for particular hazards, while helping maintain the comfort and visibility that is crucial to the productivity of your workforce at the nuclear plant.



### 3M™ Versaflo™ M Series Headtops

- M-Series headtops and covers are designed for heavy tasks that demand certain added protection.
- You can choose from a range of options meeting either the bump cap or safety helmet standard.



### 3M™ Versaflo™ S Series Headcovers and Hoods

- Range of fabrics designed for a variety of contaminant and splash hazards.
- Explore options for integrated or reusable suspensions.

## Explore the whole range of benefits:

### Enhanced usability

Adapted to all environments and processes with radiant heat kit and more.

### Improved ease

Charger stations, storage bags and cleaning plugs offer even more convenience.

### Replacement parts

Modular system allows you to easily replace individual parts.

### Alternate mounting options

Explore belts, backpacks and extenders that add further ergonomic versatility.

### Extended performance & durability

High-capacity batteries, prefilters, flame- and chemical-resistant fabrics, heavy-duty breathing tubes and more, all working harder for you and your team.

## Headtops



**3M™ Versaflo™ M-Series Helmet with flame resistant shroud, M-407**

**3M ID:** 7100258668

Lightweight, compact and well-balanced design. Meets the highest respiratory performance requirements (TH3) for this type of product when used with specific 3M™ Air Delivery Units.



**3M™ Versaflo™ S-Series Hood, Single Size, S-855E**

**3M ID:** 7100079874

The hood specifically developed for liquid chemical splash environments. Protects eyes and face from liquid splash and low energy flying particles and dust (Grade F).



**3M™ Versaflo™ Replacement Hood with Sealed Seams and Inner Collar, S-805-5**

**3M ID:** 7100079873

Replacement hood for S-855E. With seals seams and inner collar. Provides neck, shoulder, hair and head coverage as well as eye and face protection.



**3M™ Versaflo™ M-Series Helmet with flame resistant faceseal, M-307**

**3M ID:** 7100257936

Lightweight, compact and well-balanced helmet providing head protection approved according to EN397. Deflector allows users to direct the airflow inside the headtop for increased control and comfort.



**3M™ Versaflo™ Integrated Suspension Hood, Large, S-433L**

**3M ID:** 7000000145

Suitable for applications which require frequent replacement of the entire headtop assembly or those where there is less soiling of the outer fabric. Protects face and eyes from liquid splash and low energy flying particles and dust (Grade F).

## Choose your respiratory protection



With over 50 years of occupational health and safety leadership and a proven record of innovation, you can count on 3M filters and cartridges to give you the versatility, comfort and protection you need to help handle a wide range of nuclear applications. With 3M as your partner, if you need help making a selection, we can walk you through the process.

## Powered Air Respirators

Provide filtered air with a variety of convenient features like intrinsic safety or vibratory alarms.



**3M™ Versaflo™ Powered Air Turbo Unit, TR-302E+**

**3M ID:** 7100098846

Slim, lightweight and well-balanced so it's comfortable to wear for long work shifts. Choice of selectable flow rates: 185 l/min and 205 l/min.



**3M™ Versaflo™ Powered Air Turbo Starter Kit, TR-315E+**

**3M ID:** 7100098908

Starter Kit TR-315E+ includes a TR-302E+ Turbo Unit, particulate filter, pre-filter, high-capacity battery, battery charger, length-adjusting breathing tube, air flow indicator, standard belt and spark arrestor.



**3M™ Versaflo™ Powered Air Turbo Unit, TR-602E**

**3M ID:** 7100259576

Three selectable flow rates (185 l/min, 205 l/min or 225 l/min) for maximum comfort with a steady airflow. IP54 rating for use in decontamination showers.



**3M™ Powered Air Respirator System Starter Kit PF-619E+**

**3M ID:** 7100299964

Starter Kit PF-619E+ includes 3M™ Powered Air Turbo, PF-602E, PF-630 Battery, PF-641E Battery Charger and SS-626 Comfort Belt.



**3M™ Powered Air Respirator System Asbestos Kit**

3M ID:	Product code:
7100265016	PV-300E-S
7100265033	PV-300E-M
7100265026	PV-300E-L

A durable powered air respirator system kit. This kit includes PV-300E respirator system comprising full facepiece, motor unit, filter, battery and belt.

## Filters

Filters help protect against particles such as dust as well as certain gases and vapours. A solution that is particularly useful during outages and decommissioning.



**3M™ Versaflo™ P3 Filter  
TR-3712E**

**3M ID:** 7100231431

Particulate filter for protection against dusts, mists, fumes and other particulate hazards. For use with 3M™ Versaflo™ Powered Air Respirator TR-300+ Series.



**3M™ Versaflo™ Particulate Filter,  
TR-6710E**

**3M ID:** 7100020971

Provides protection from dust and particulate hazards. For use with 3M™ Versaflo™ Powered Air Respirator TR-600 and TR-800 Series.



**3M™ Versaflo™ ABE1P Filter,  
TR-6130E**

**3M ID:** 7100020997

Provides respiratory protection against organic gases and vapours with a boiling point of > 65 °C, inorganic and acid gases and particulates. For use with 3M™ Versaflo™ Powered Air Respirator TR-600 and TR-800 Series.

## Accessories



**3M™ Versaflo™ Easy Clean  
Backpack, TR-927**

**3M ID:** 7100300071

This backpack can be used with 3M™ Versaflo™ Turbo Units TR-300, TR-600 or TR-800.



**3M™ Powered Air System Covers**

3M ID:	Product code:
7100260719	TR-381 - for TR-300+
7100260718	TR-681 - for TR-600

Replacement covers designed to protect against splash and spray contaminants.



**3M™ Versaflo™ Supplied Air  
Regulator, V-500E**

**3M ID:** 7100005806

Ensure a smooth airflow and the correct level of safety and comfort from your respirator.



**3M™ Powered & Supplied Air  
Breathing Tubes**

3M ID:	Product code:
7100006955	BT-30 - Self-adjusting
71000069524	BT-40 - Heavy Duty

Compatible with all 3M™ Versaflo™ Headtops and Air Delivery Units. Connects the air source to the headtop for reliable, unrestricted clean airflow. Additional tubes available for PF-600.



**3M™ Versaflo™ Easy-Clean Belt**

3M ID:	Product code:
7000103973	TR-327 - for TR-300+
7100222674	TR-627 - for TR-600

Easy clean belt for mounting air turbos. Additional belts available for PF-600.



**3M™ Versaflo™ Air Cooling Regulator,  
V-100E**

**3M ID:** 7000103980

Can cool supplied air down to 28 °C whilst providing protection against particulates, gases and vapours or combination hazards.

## Self-Contained Breathing Apparatus (SCBA)



### Emergency Escape Breathing Device (EEBD):

An Emergency Escape Breathing Device (EEBD) is suitable for quick escape from highly hazardous industrial/nuclear environments, ensuring maximum protection in escape situations.

### SCBA and Supplied Air Respirator with Escape Cylinder:

Self-Contained Breathing Apparatus (SCBA) and positive pressure Supplied Air Respirator (SAR) with a combined escape cylinder are used for different types of operations and/or for emergency situations in nuclear power plants. These may be used when atmospheric contaminants are unknown, Immediately Dangerous to Life or Health (IDLH), or when concentrations are potentially unstable.



**3M™ Scott™ ProPak Sigma with Airline**

**3M ID:** 2027152

Cost-effective SCBA solution with minimal padding and rigid back frame construction.



**3M™ Scott™ ELSA Emergency Life Support Apparatus**

**3M ID:**   **Product description:**

1047362 10 min, Standard Bag, Full

1047372 15 min, Standard Bag, Full

*Other options available*

Designed for reliability, robustness and ease of use for maximum protection in an escape situation.



**3M™ Scott™ Flite COV Airline Breathing Apparatus**

**3M ID:** Flite

Positive pressure supplied air respirator that also provides emergency respiratory protection and escape capability

## Reusable Respirators

3M provides a full line of reusable respirators with half- or full-facepiece options to help protect against both particulates and/or gases and vapours.

### Versatile protection

With a wide range of facepieces and filters, 3M reusable respirators can be used for numerous applications and hazardous environments.

### Designed for comfort

Your workers deserve to be comfortable and protected whether they are in a tight space or working a long shift. Select from a variety of comfort features like silicone for a softer feel on the face and 3M™ CoolFlow Valve for improved breathability.

### Simple and intuitive

Whether you need sustainable, multi-use respiratory protection or a maintenance free offering, our solutions are easy to use, maintain and clean.

### Respirator protection specialists

Our dedicated team is available to share their industry, product and regulatory knowledge to help you understand your options when it comes to helping keep workers protected.

## Filters

It's important to select a filter that is designed to meet the hazard exposure at your workplace. Our free [3M™ Select and Service Life Software](#) can help make selecting the appropriate respirators faster and easier, and can also help you estimate the service life of 3M™ Respirator Filters.

### Particulate Filters

3M™ Particulate Filters filter aerosols (e.g., dust, mists, fumes, smoke, biological particles, etc.). Some filters also have nuisance-level gas and vapour capabilities.

### Gas and Vapour Filters

3M™ Gas and Vapour filters protect against gases and vapours only. 3M offers a wide range of gas and vapour filters for different airborne hazards.

### Gas, Vapour and Particulate Combination Filters

3M™ Gas, Vapour and Particulate Combination filters protect against a range of particulates, gases and vapours, or a combination of these hazards. Some combination filters can also be used with Powered Air Respirators.



## Reusable Respirators: Bayonet Connection



3M offers half- and full-face masks with the 3M™ Bayonet Connection System, so workers can connect to a broad range of twin lightweight filters, depending on individual needs. These reusable respirators also feature the 3M™ Cool Flow™ Valve, which helps reduce heat and moisture build-up and provides less restriction to breathing.

Combining protection with comfort and balance, our Bayonet range offers a wide variety of facepieces and filters, suitable for a broad range of applications.



**3M™ Reusable Half Mask Respirator 7500 Series**

3M ID:	Size:	Product code:
7000104176	Small	7501
7000104177	Medium	7502
7000104178	Large	7503

Soft sealing surface and low breathing resistance makes them comfortable to wear for long durations. Bayonet-style connection fits a broad range of filters.



**3M™ Reusable Full Face Mask 6000 Series**

3M ID:	Size:	Product code:
7100015974	Small	6700
7100015051	Medium	6800
7100015052	Large	6900

Large polycarbonate lens offers good visibility and that complies to relevant performance requirements of EN166:B. Soft, elastomeric facepiece for wearer comfort.

## Select your filter

It's important to select a filter that is designed to meet the hazard exposure at your workplace.



**3M™ Particulate Filter P3 R, 6035**

**3M ID:** 7000032083

Protects against a range of dusts, mists and particulates. Features the 3M Bayonet style connection.



**3M™ Gas, Vapour and Particulate Filter, 6092**

**3M ID:** 7100104317

Protects against a range of vapours, gases and particulates: A1B1E1K1P3. R + Formaldehyde. Features the 3M Bayonet style connection.



**3M™ Particulate Filter P3 R, 2135**

**3M ID:** 7100240628

Protects against a range of dusts, mists and particulates (P3). Features the 3M Bayonet style connection.



**3M™ Gas, Vapour and Particulate Filter, 6099**

**3M ID:** 7100104327

Protects against a range of vapours, gases and particulates: A2B2E2K2HgP3 + Formaldehyde. Features the 3M Bayonet style connection.

## Reusable Respirators: 3M™ Secure Click™ Connection



Reusable respirators featuring the 3M™ Secure Click™ Connection are designed to give workers confidence that their filters are installed properly. This quick, simple filter connection works just like a seat belt. Simply align the connections and push until you hear a click. The respirators are also equipped with an easy one-touch user seal check to help provide improved confidence in a proper seal and fit.

Respiratory Protection



**3M™ Secure Click™ Reusable Half Mask Respirator HF-800 Series**

3M ID:	Size:	Product code:
7100172006	Small	HF-801SD
7100171980	Medium	HF-802SD
7100172005	Large	HF-803SD

Greater breathability and comfort provided by the world's first quad flow cartridge system. Over-moulded design for easy assembly/disassembly.



**3M™ Secure Click™ Reusable Full Face Respirator FF-800 Series**

3M ID:	Size:	Product code:
7100262627	Small	FF-801
7100262628	Medium	FF-802
7100262626	Large	FF-803

Two dual-flow gas & vapour filters on each respirator combine to create the world's first quad flow gas & vapour filter system with four airflow paths providing easy breathing and comfort

## Select your filter



**3M™ Secure Click™ Hard Case Particulate Filter, P3 R**

**3M ID:** D9035

Filter type: P3 R



**3M™ Secure Click™ Gas, Vapour and Particulate Filter, A1B1E1K1P3 R, with Dual Flow**

**3M ID:** D8094

Filter type: A1B1E1K1P3



**3M™ Secure Click™ Particulate Filter, P3 R**

**3M ID:** D3135

Filter type: P3 R



**3M™ Secure Click™ Gas, Vapour and Particulate Filter, A1B1E1K1, with Dual Flow**

**3M ID:** D8059

Filter type: A1B1E1K1

## Reusable Respirators: 3M™ FF-300 Series



The 3M™ Reusable Full Face Mask Respirator FF-300 Series is our multi-function full-face mask designed to provide durable and comfortable protection against a wide range of respiratory hazards. It can be used either in conjunction with approved 3M powered air systems or as a negative pressure respirator with the 3M™ DT Series filter range (shown below), providing protection against a wide range of industrial hazards.



### 3M™ Reusable Full Face Mask Respirator FF-300 Series

3M ID:	Size:	Product code:
7100236989	M/L Large	FF-302
7100237033	S Small	FF-301

Use as a negative-pressure single-filter mask or as a face piece for a powered air respirator. Compatible with the 3M™ DT-Series of filters.

## Select your filter or cartridge



### 3M™ Particulate Filter, PF10 P3 R D

3M ID: 7100260622

Provides protection against particles such as dust, mists, aerosols, smoke, mould and bacteria. Used with FF-300 Series.



### 3M™ Combination Filter, CF22 A2B2E1P3 R D

3M ID: 7100260627

Provides protection against combined particulates, organic and inorganic gases and vapours, and acid gases and vapours. Used with FF-300 Series.



### 3M™ Combination Filter, CF32 A2B2E2K2HgP3 R D

3M ID: 7100260645

Protects against mercury, ammonia and organic ammonia derivatives. Used with FF-300 Series.

## Disposable Respirators



With more than 50 years of health and safety leadership, 3M utilizes innovative technologies and features in a variety of styles to help provide comfortable, reliable respiratory protection.



**3M™ Aura™ Particulate Respirator 9330+, FFP3**

**3M ID:** 7100258908



**3M™ Aura™ Particulate Respirator 9332+Gen3, FFP3**

**3M ID:** 7100134314



**3M™ Particulate Respirator 8335+, FFP3**

**3M ID:** 7100081542



**3M™ Aura™ Particulate Respirator 9320+, FFP2**

**3M ID:** 7100258910



**3M™ Aura™ Particulate Respirator 9322+Gen3, FFP2**

**3M ID:** 7100134313



**3M™ Particulate Respirator 8325+, FFP2**

**3M ID:** 7100081543

The 3M™ Aura™ Series features soft inner materials, adjustable chin tab and a sculpted, embossed top panel designed to allow more room for eyewear and help reduce eyewear fogging.

Additionally, the 3-panel design fits a wide range of facial shapes/sizes and accommodates facial movement while talking.

The third generation offers enhanced features like the new 3M™ Cool Flow™ Comfort Valve that releases warm, moist exhaled breath more quickly than the previous valve.

Additionally, the braided headbands help keep the respirator securely in place and minimizes the pulling of hair.

Proprietary soft inner face seal is designed to help reduce eyewear fogging and helps improve fit.

Additionally, the adjustable, braided headbands help keep the respirator securely in place and minimizes the pulling of hair.

### The Proper Respirator Fit is essential for performance

If a worker's respirator does not seal properly, it may not be providing the expected protection. 3M respirators are designed to fit many facial sizes and shapes. Find select fit claims at: [3m.co.uk/fittesting](https://3m.co.uk/fittesting)

The 3M Wear it Right App helps guide users in fit testing their respirators properly. Available for download in some countries on the App Store and Google Play.



## Welding Safety

Our innovative welding safety products enable welding performance and help make the welder's job safer and more comfortable. 3M is the supplier of 3M™ Speedglas™ Welding Helmets and Systems for eye, face and respiratory protection. Our knowledge and experience of welders' working conditions sparks our innovative product development.



**3M™ Speedglas™ Heavy-Duty Welding Helmet G5-01**

**3M ID:** 7100257812

Kit with Welding Filter G5-01VC. To be combined with 3M™ Adflo™ Powered Air Respirator or 3M™ Versaflo™ Supplied Air Regulator System.



**3M™ Adflo™ Powered Air Respirator**

**3M ID:** 7100166698

With heavy duty battery. Nominal protection factor up to 500 (TH3) in combination with Speedglas welding helmets.



**3M™ Adflo™ Breathing tube, self-adjusting QRS**

**3M ID:** 7000028067

Self-adjusting (525 mm to 800 mm) breathing tube with QRS (Quick Release Swivel) connection. Designed for use with 3M™ Adflo™ Powered Air Respirator or 3M™ Versaflo™ Supplied Air Regulator V-500E.



**3M™ Adflo™ Prefilter**

**3M ID:** 7100080248

Replacement prefilter designed for use with Adflo turbo.



**3M™ Adflo™ Particle Filter P**

**3M ID:** 7100288125

Particulate filter to be used with Adflo turbo.



**3M™ Adflo™ Particulate & Gas Filter A1B1E1**

**3M ID:** 7000028043

ABE filter designed for use with Adflo turbo.

# Fall Protection

With over 20,000 products designed for the specific needs of many industries with at-height hazards, we can help find the combinations of anchorages, body support and connector solutions to meet the requirements of many applications in the nuclear industry.



## The ABCs of Fall Protection

### Anchorage

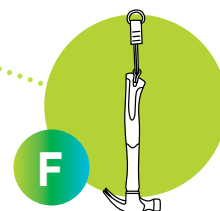
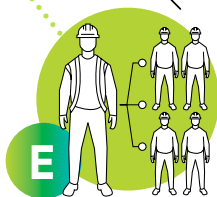
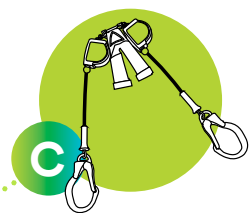
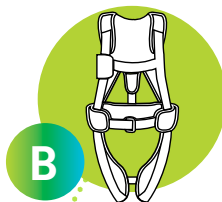
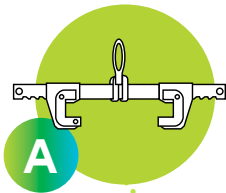
This is a secure point of attachment on the structure for a Personal Fall Arrest System. Anchorage connectors vary by type of installation and structure. They must be able to support the intended loads and provide a sufficient factor of safety for fall arrest.

### Body Support

Harnesses help to distribute fall forces over the upper thighs, pelvis, chest, and shoulders. They provide a connection point on the worker for the personal fall arrest system.

### Connectors

Devices such as self-retracting lifelines or energy-absorbing lanyards connect a worker's harness to the anchorage.



### Descent and Rescue Devices

These are used to raise or lower a fallen, injured worker to safety or retrieve him from a confined space.

### Education

This is essential for employees and employers, especially in the challenging environment of a nuclear plant. We offer a variety of training and consultative services to fit your needs.

### Fall Protection for Tools

These solutions help make work environments safer and more productive by reducing dropped object incidents.

## Anchorage



**3M™ DBI-SALA® Sling Polyester Webbing KM419, 90 cm**

**3M ID:** 70007903894

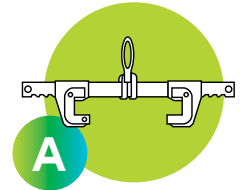
Choke back facility, wears less than conventional sling. Stitch pattern protection. Rubber inner for wear resistance.



**3M™ Protecta® Sling Galvanised Steel AM402G, 200 cm**

**3M ID:** 70007781324

Eye and eye galvanised wire rope sling with protective thimbles and PVC coating.



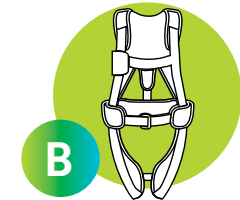
## Body Support

DBI-SALA® ExoFit™ XE200 is made with high-quality components specially developed for the safety, convenience, and performance of your team during work at heights.

The XE200 comfort harness is built with durable 26kN polyester webbing, lightweight aluminium hardware, hybrid comfort padding with breathable mesh under-side with added air channels, and reflective 3M™ Scotchlite™ Panels.

Equipped with new technology in the dorsal D-ring area for efficient connections and a secure harness fit for your workers, the XE200 also features revolving torso adjustment alongside auto-locking quick-connect buckles to optimize the fit.

The 3M™ DBI-SALA® ExoFit™ XE200 is compatible with a range of 3M™ Fall Protection Accessories for Tools. All models are equipped with low-profile suspension trauma relief straps.



**3M™ DBI-SALA® ExoFit™ XE200 Comfort Safety Harnesses**

3M ID:	Size:
1112726	Size 1
1112727	Size 2
1112728	Size 3



**3M™ DBI-SALA® ExoFit™ XE200 Comfort Rescue Harnesses**

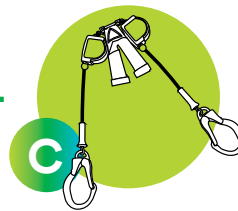
3M ID:	Size:
1112732	Size 1
1112733	Size 2
1112734	Size 3



**3M™ DBI-SALA® ExoFit™ XE200 Comfort Positioning/Rescue Harnesses**

3M ID:	Size:
1112735	Size 1
1112736	Size 2
1112737	Size 3

## Connectors



**3M™ DBI-SALA® Ultra-Lok™ Self-Retracting Lifeline**

**3M ID:** 3504426

Use 3M™ DBI-SALA® Ultra-Lok™ SRL to allow the user freedom of movement within the recommended working area as part of a complete fall arrest system.



**3M™ DBI-SALA® Nano-Lok™ Personal Self Retracting Lifeline, Twin-leg, Web**

**3M ID:** 3101298

Compact and lightweight twin-leg personal self-retracting lifeline designed for working at height.

## Descent and Rescue Devices



**3M™ DBI-SALA® Rollgliss™ R550 Rescue and Descent Device**

**3M ID:** 3329020

Rescue and escape system with rescue hub. Use the R550 as an escape device when it's imperative to get to the ground as quickly as possible, or as an assisted pick-off system to lower a rescued victim to safety.



**3M™ DBI-SALA® Confined Space, Short Reach Davit System HC**

**3M ID:** 8000118

Modular design can be separated for easy transportation and storage, and provides a complete confined space rescue and work support system.



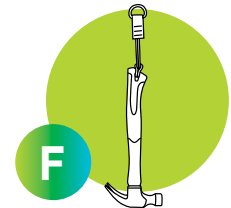
**3M™ DBI-SALA® Confined Space Winch**

**3M ID:** 8518558

Winch with 18 m (60 ft.) of 5 mm (3/16") stainless steel wire rope and swivel snap hook, mounting bracket.



## Fall Protection for Tools



**3M™ DBI-SALA® D-ring Attachment**

**3M ID:** 1500003

D-Ring attachment point (1.3 × 5.7 cm). Use our Quick-Wrap Tape II to attach D-ring to your tool. 0.9 kg capacity.



**3M™ DBI-SALA® D-ring Attachment, non-conductive**

**3M ID:** 1500005

D-Ring attachment point (1.3 × 5.7 cm). Use our Quick-Wrap Tape II to attach D-ring to your tool. 0.9 kg capacity.



**3M™ DBI-SALA® Adjustable Wristband**

**3M ID:** 1500083

Adjustable wristband with D-ring for attaching small tools, elastic strap with hook and loop system for comfortable fit.



**3M™ DBI-SALA® Adjustable Radio/Cell Phone Holster**

**3M ID:** 1500089

Adjustable radio/cell phone holster combo, includes coil tether and attachment point.



**3M™ DBI-SALA® Dual Tool Holster with 2 Retractors, Harness**

**3M ID:** 1500109

Dual tool harness holster with 2 retractors.



**3M™ DBI-SALA® Parts Pouch**

**3M ID:** 1500122

Small parts pouch, innovative self-closure system, vinyl, yellow.



**3M™ DBI-SALA® Safe Bucket**

**3M ID:** 1500139

Vinyl bucket with drawstring closure system, 113 kg (250 lb.) capacity.



**3M™ DBI-SALA® Fall Protection for Tools Quick Wrap Tape II Blue**

**3M ID:** 1500168

Creates long-lasting secure tool attachment points on tools up to 0.9 kg.



**3M™ DBI-SALA® Hard Hat Tether**

**3M ID:** 1500178

1.8 kg load rating allows you to confidently add hearing protection or a face shield to your hard hat.

# Hearing Protection and Communication Solutions



We don't just sell hearing protection products. We're dedicated to the success of your entire hearing conservation program from product selection to workforce training and program management.

## 3M Hearing Protection Fit Testing

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in hearing protector fit, fitting skill and motivation of the user. Refer to your applicable regulations for guidance on how to adjust label values and estimate attenuation. In addition, 3M™ E-A-Rfit™ Dual-Ear Validation System can support your fit testing needs for improved wear and compliance. For more information from 3M on fit testing, visit: [3M.co.uk/earfit](http://3M.co.uk/earfit)



## Earplugs



### 3M™ E-A-R™ Push-Ins™ Earplugs

3M ID:	Product code:
7000052713	EX01020 - corded
7000052714	EX01021 - uncorded

3M™ E-A-R™ Push-Ins Earplugs have a unique E-A-Rform™ Foam tip that's shaped and sized to fit comfortably in most ears. Our recognisable yellow earplugs have a flexible blue stem that makes fitting and removal easy and hygienic.



### 3M™ E-A-R™ Classic Earplugs

3M ID:	Product code:
7000052844	CC01000 - corded
7000104116	PB01000 - uncorded

The 3M™ E-A-R™ Classic™ Earplugs are disposable and designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise and loud sound. These products are available in a corded and uncorded version.

## Earmuffs



### 3M™ PELTOR™ X4 Earmuffs

3M ID:	Product description:
7000103993	Headband
7100123162	Neckband
7000103994	Helmet attached (P3)
7100095551	Helmet attached (P5)

X4 Earmuffs are our lightweight and slim hearing protectors with innovative foam earcup inserts and spacers to help boost attenuation and protect against low frequencies up to 33 dB.

## Communication Solutions

3M™ PELTOR™ products are developed for all environments where hearing conservation must be combined with communication. We have developed several models to ensure there's a 3M™ PELTOR™ Headset for almost every situation. To ensure easy use of our products and good functions for all environments we use advanced technology such as Level Dependent technology and Bluetooth®.



### 3M™ PELTOR™ Electronic Earplug

**3M ID:** 7100194360

Electronic earplug, designed to protect against loud noises and help improve situational awareness and communication.



### 3M™ PELTOR™ Professional In Ear Communication Headset

**3M ID:** 7100262855

Next generation protective communication solution. The innovative, on-demand fit test informs the users of their personal protection level, while an in-ear speech microphone and multiple wireless technologies enable clear communication in noisy environments.



### 3M™ PELTOR™ LiteCom Headsets

3M™ PELTOR™ LiteCom Headsets are our robust hearing protectors with a built-in analogue two-way communication radio and noise cancelling dynamic microphone. Available in headband, neckband and helmet mounted models.

3M ID:	Product code:	Description:
7000108540	MT53H7A4400-EU	Headband
7000108541	MT53H7P3E4400-EU	Helmet mounted
7000108542	MT53H7B4400-EU	Neckband



### 3M™ PELTOR™ LiteCom Plus Headsets

Hearing protector with built-in analogue two-way communication radio. Level-dependent technology helps improve situational awareness and communication. Noise cancelling dynamic microphone provides voice-operated transmission for hands free use.

3M ID:	Product code:	Description:
7100229277	MT73H7P3E4410EU	Helmet mounted
7100229259	MT73H7A4410EU	Headband



### 3M™ PELTOR™ WS™ LiteCom Plus Headsets

Headset features integrated pre-programmed two-way radio, Bluetooth® Multipoint connectivity, noise-cancelling microphones, and a level-dependent function for ambient listening.

3M ID:	Product code:	Description:
7100204388	MT73H7A4410WS6EU	Headband
7100201938	MT73H7B4410WS6EU	Neckband
7100204418	MT73H7P3E4410WS6EU	Helmet mounted
7100204419	MT73H7A4310WS6EU	Headband
7100204420	MT73H7B4310WS6EU	Neckband
7100204422	MT73H7P3E4310WS6EU	Helmet mounted

# Head Protection

We design and manufacture hard hats and accessories to meet a diverse spectrum of needs. From safety helmets for working at height, to full brim hard hats and solutions for working in elevated temperatures, we offer consistently reliable products.



**3M™ SecureFit™ Safety Helmet X5000 Series**

**3M ID:** 7100175093

Secure, comfortable head protection for working at heights and other hazardous industrial jobs. Many colour options available. Ask!



**3M™ Hard Hat G3000 Series**

**3M ID:** 7100001960

Hard hat designed for use in harsh environments, with excellent ventilation and a good field of vision. Many colour options available in the range.

# Eye Protection

A patented design that self-adjusts to individual head sizes and shapes. Anti-fog and anti-scratch protective safety glasses and goggles. Whether for nuclear power plant outages, decommissioning or wherever the work takes your team, workers can get the optimal balance of eye protection, performance and comfort they need – all in a design that suits their style. 3M Eye Protection spans a comprehensive range of eye safety products for work tasks big and small.



**3M™ SecureFit™ 400 Series Safety Glasses**

**3M ID:** 7100148073

Blue/Grey frame, clear lens. 3M™ Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N). Many other frame and lens colour and coating options available in the series.



**3M™ Solus™ 1000 Safety Glasses**

**3M ID:** 7100080184

Blue/Black frame, clear lens. 3M™ Scotchgard™ Anti-Fog/Anti-Scratch Coating (K&N). Foam Gasket and Strap. Check also other variants from the series.



**3M™ Goggle Gear™ 500 Safety Goggles**

3M ID:	Product code:	Description:
7100185183	GG501NSGAF-EU	Neoprene Headband
7100074368	GG501SGAF-EU	3M™ Scotchgard™ Coating

Get superior anti-fog and anti-scratch properties, and protection against UV radiation with 3M™ Goggle Gear™ Safety Goggles 500 Series.

# Protective Coveralls

Whether you're looking for protective suits, protective apparel, protective clothing or disposable coveralls, you can help protect your workers against hazardous particles, limited liquid splashes, sprays and even jet sprays with 3M Protective Coveralls. Choose from a variety of coveralls with breathable fabrics and comfortable features.



### 3M™ Protective Coverall 4530 (Sizes: S-3XL)

3M ID:	Size:
7100214328	S
7000109011	M
7000109012	L
7000109013	XL
7000109014	2XL
7000109015	3XL

Use 3M™ Protective Coverall 4530 for protection against dirt, splashes and toxic dusts, including nuclear particles. It meets a variety of standards for chemical protective clothing including EN 1149 Antistatic protection, EN 1073-2 Nuclear particulate resistance, EN ISO 13688, Type 6 Liquid Splash EN 13034 and Type 5 Dust EN ISO 13982-1.

### 3M™ Protective Coverall 4570 (Sizes: S-3XL)

3M ID:	Size:
7000089687	S
7000089688	M
7000089689	L
7000089690	XL
7000089691	2XL
7000089692	3XL

This coverall provides an excellent barrier to liquid splashes and jet sprays to Type 3 and hazardous particles to Til class 2 EN 1073-2.

# Education & Training

3M customers can take advantage of worker health and safety training on principles, hazards, PPE products, software and other valuable information to enhance their workplace safety initiatives.

At the Worker Health & Safety training website users can find digital learnings for respiratory protection, welding, hearing protection, fall protection and other important topics spanning a wide variety of industries and applications.

It's just one more way 3M helps you and your workers to stay connected, compliant and safe.

**Ready to learn more?**

Scan for more details.



### What's the 3M difference?

- On-demand and live webinars
- Dedicated Instructors
- Instructor-Led Courses
- Certified Instructor Program
- Regulatory Standards Compliance (where applicable)
- World-Class Training Centers, On-Site Delivery, or Virtual Instructor-Led Training
- Broad Employee Appeal

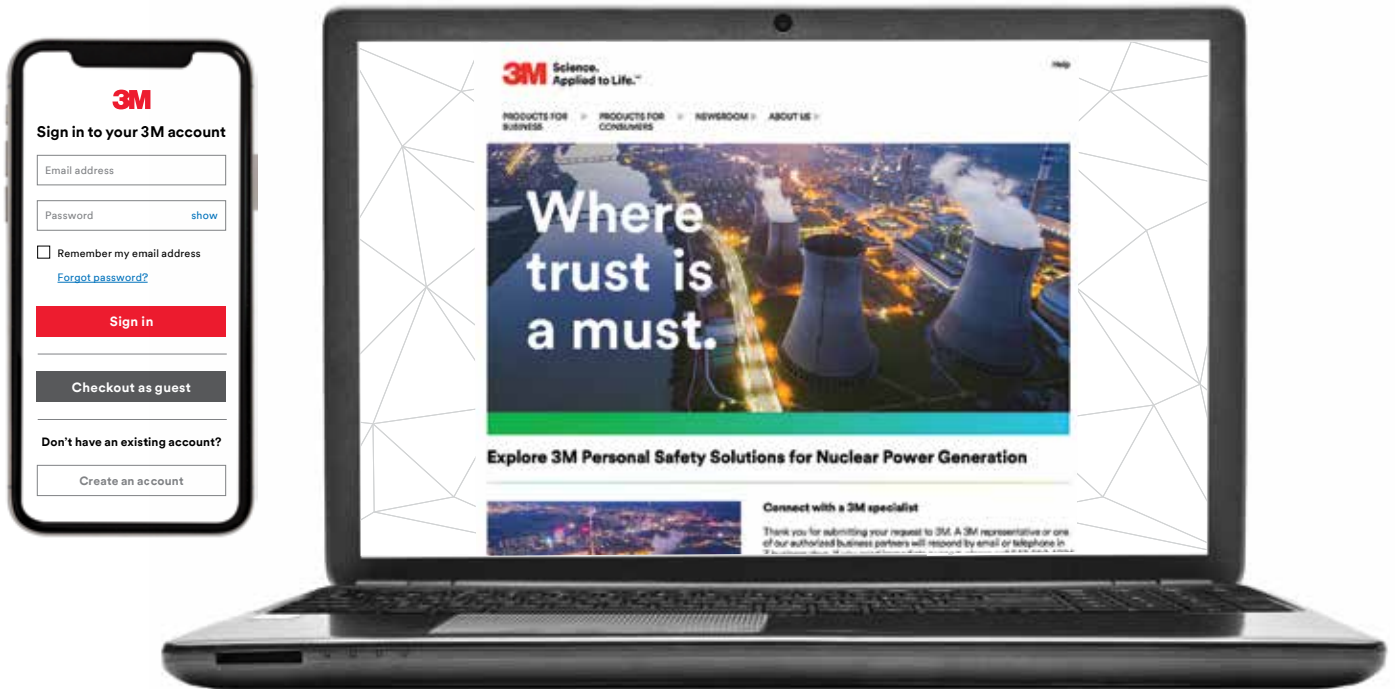
### Training and education may be provided by 3M:

- Demonstration Training
- Fit Testing
- Selection Guides
- Service Life Software
- Fall Protection
- Hearing Protection and Conservation
- Worker Health & Safety e-Learning
- Virtual Reality
- Seminars, Webinar and Videos
- Understanding Regulations/Compliance
- Tech Bulletins, Technical Helpline
- Dedicated Application Engineers etc.
- 3M™ Safety Mobile Training Units

We also offer safety training classes on-site, customized to the unique environment of your facility. Ready for training with true value?

Visit [3M.co.uk/safety/training](https://3m.co.uk/safety/training) to learn more.

## At 3M, we work hard to deliver effective PPE safety solutions



One of 3M's passions is helping to protect workers in all types of industries and work environments. This passion drives us to continually innovate across technologies, disciplines and industries, to help keep you and your workers safe and protected.

We strive to deliver comfortable, well-designed personal protective equipment (PPE). You can buy 3M Worker Health & Safety PPE with confidence, knowing that 3M is working hard to provide products that your employees will feel good about wearing.

Connect with our team of PPE experts to learn more today!

## Hearing and PELTOR

### ▲ WARNING

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For correct use, consult supervisor and User Instructions or contact your local 3M Personal Safety Division.

### ▲ WARNING

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations and guidance on how to adjust attenuation label value(s). In the absence of applicable regulations, it is recommended that the attenuation label value(s) be reduced to better estimate typical protection.

## Eye Protection

### ▲ WARNING

These eye or face protection products help provide limited eye and face protection. Misuse or failure to follow warning and instruction may result in serious potential injury, including blindness or death. For proper use, selection and applications against flying particles, optical radiation and/or splash see supervisor, read User Instructions and warning on the package or contact your local 3M Personal Safety Division. These 3M PSD products are for occupational use only.

## Head Protection

### ▲ WARNING

3M Head and Face Products provide limited protection only. Misuse or failure to follow warnings and User Instructions may result in serious personal injury or death. For proper use, see supervisor, User Instructions, or contact your local 3M Personal Safety Division.

## Fall Protection

### ▲ WARNING

Compliant fall protection and emergency rescue systems help prevent serious injuries associated with fall events. Users must read and understand the User Instructions provided with the product, and must be properly trained by their employers in the safe use of these systems before using them, always follow applicable local standards. Misuse or failure to follow warnings and instructions may result in serious personal injury or death. For proper use, see supervisor, User Instructions, phone +44 (0)1344 858000 or email [informationfallprotection@mmm.com](mailto:informationfallprotection@mmm.com)

## Respiratory Protection



### ▲ WARNING

These respirators help to protect against certain airborne contaminants. Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer from certain airborne contaminants. Failure to follow all instructions on the use of these respiratory protection product and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearer's health lead to severe or life threatening illness or permanent disability. For suitability and proper use follow local regulations, refer to all information supplied or contact a safety professional or your local 3M Personal Safety Division.

## Welding Safety

### ▲ WARNING

This product is designed to help protect the wearer's eyes and face from harmful radiation including visible light, ultra-violet radiation (UV), infra-red radiation (IR), sparks and spatter resulting from welding processes. These products must be used only by qualified persons who are properly trained in their use and maintenance. Misuse may result in permanent eye injury and vision loss. Always wear an EN 166 compliant safety spectacles in addition to any welding helmet. For correct use, see supervisor and User Instructions, or contact your local 3M Personal Safety Division.

## Coveralls

Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer. Failure to follow all instructions on the use of these personal protection products and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearer's health, lead to severe or life threatening illness or permanent disability.

**Product Selection and Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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**Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

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