

Health & Safety



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Latex Rubber Gloves

Disposable latex rubber gloves. 50 Pairs per box



Product Codes:

Medium	MI-GLOLAT-M
Large	MI-GLOLAT-L
Extra Large	MI-GLOLAT-XL

Powder Free Latex Rubber Gloves

Disposable, powder latex rubber gloves. 50 pairs per box



Product Code:

Large MI-GLOLATPF-L

Latex Free Protective Gloves

High quality vinyl protective gloves. Suitable for people who are allergic to latex. 50 pairs per box.



Product Code:

Small	MI-GLOVIN-S
Large	MI-GLOVIN-L

Nitrile Protective Gloves

High quality blue nitrile protective gloves. Suitable for people who are allergic to latex. 100 pairs per box.



Product Code:

Large MI-GLONIT-L

Durable Rubber Gloves

Durable reusable rubber gloves, sold in pairs/ box of 120



Product Code:

Large	MI-GLORUB-L
X-Large	MI-GLORUB-XL

Workshop Wipes

Made from blue two-ply paper - thick, strong & durable. Highly absorbent - will quickly mop up oil, paint or water. Ideal for cleaning components and tools, mopping up spills and drying hands.



Product Code:

174m MI-PAPERROLL

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GOJO FMX Foam Soap System

A luxurious and convenient system that infuses air into the soap as its dispensed, creating a rich lather. The easy to use factory sealed refills snap in place in seconds and provide over 1700 uses.



Product Codes:

1250ml Dispenser GOJO-5161-03
 GOJO-5157

GOJO Supro Max Hand Cleaner Dispensing System

Removes difficult industrial soiling from hands, without damaging the skin. The Pro dispenser uses easy to load cartridges that provide portion controlled dispensing, which prevents wastage and a one hand push operation that provides ease of use.



Product Codes:

2L Dispenser GOJO-7272-04
 GOJO-7200-01

GOJO Natural Orange Pumice Hand Cleaner

Quick action lotion formula with pumice scrubbing particles for cleaning a broad range of industrial soils, medium dirts and grease including inks/ printing inks. Orange scent.



Product Codes:

2L Dispenser GOJO-7255-04
 GOJO-7200-01

GOJO Paint & Stain Remover

A quality hand wash which effectively removes paint and stains from skin. Contains moisturisers to help keep skin healthy.



Product Code:

650ml GOJO-PAINTREM

GOJO Lemon Hand Cleaner

A very effective hand wash treatment which removes uncured resins, paints and sealants. Contains moisturising additives and leaves a refreshing lemon scent. For best results use with Hand Pump Dispenser.



Product Codes:

2.2KG Dispenser GOJO-2.2
 GOJO-DISP

SIKA Cleaning Wipes

Textured wipes for removal of uncured Sikaflex and heavy soiling from skin. No rinse required after use. 100 pre-cut sheets per tub.



Product Code:

Pack of 100 SA-WIPES

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3M Professional Panel Wipes

Best in class for low linting. Excellent strength when wet -will not tear during use. Fast absorbency for improved cleaning action. Ideal for use with 3M Stainless Steel Cleaner. Applications: Cleaning and maintenance; degreasing metal panels, removal of solvents and other liquids. Materials: Stainless Steel, Chrome, Aluminium, Plastics, Enamel, Glass



Product Codes:

Box of 400 3M-34567

3M 4535 Protective Coverall

Excellent barrier against dry particles and certain limited liquid chemical splash (CE Type 5/6) Robust, very low-linting laminated microporous material. Extra large breathable back panel for improved air circulation and reduced heat stress.



Product Codes:

Medium 3M-4535M
Large 3M-4535L
X-Large 3M-4535XL

MOQ's may apply, please ask for details

3M 50198 White Coverall

Providing superior comfort and protection against a wide range of hazards found in the Marine Industry. The exclusive breathable back panel enables perspiration to escape. NB: TYPE 5/6, EN1149-1 Anti Static, Chemical Protection, Nuclear Particle.



Product Codes:

Medium 3M-50198M
Large 3M-50198L
Extra Large 3M-50198XL
Extra Extra Large 3M-50198XXL

3M 4530 Blue Coverall

This coverall provides superior comfort and protection which is very breathable, helping reduce heat stress and ensuring a comfortable wear throughout the day's use. NB: TYPE 5/6, EN533, EN1149-1 Anti Static, Chemical Protection.



Product Codes:

Medium 3M-4530M
Large 3M-4530L
Extra Large 3M-4530XL
Extra Extra Large 3M-4530XXL (MOQ 20)

3M Banded Ear Plugs

These Banded Ear Plugs are particularly suitable when you need a reliable, comfortable product which is very easy to put on and take off. They have a unique flexible band design that allows greater ease of use and low pressure over a wide range of head sizes. SNR 26dB, EN 352-2: 1993, CE Marked



Product Code:

Banded Pack of 10 3M-1310

MOQ's may apply, please ask for details

3M Disposable Foam Ear Plugs

These Disposable Foam Ear Plugs provide comfortable and effective noise reduction. They are available in either corded or uncorded style depending on the application required. SNR 37dB. EN 352-2:2002, CE Marked



Product Codes:

Uncorded Pack of 200 3M-1100
Corded Pack of 100 3M-1110

MOQ's may apply, please ask for details

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3M Peltor Optime I Ear Defenders

Comfortable, lightweight hearing protection. Ideal for both short and long duration tasks Designed to protect against moderate industrial noise (87 db(a) – 98 db(a))



Product Codes:

Case of 20 Pairs

3M-H510A-401-GU

3M Securefit Safety Glasses (for use with masks)

The 3M™ SecureFit™ series comprises a rimless lens and fixed length temple arm. An integrated side shield is included for added protection. Temples also feature 3M Pressure Diffusion Temple Technology which helps diffuse pressure over the ear to enhance frame comfort across a diverse workforce.



Product Code:

1 Pair

3M-SF201AF-EU

3M Safety Goggles

These Safety Goggles provide superior comfort, field of view and a modern ergonomic design. They offer a high-level of protection, making them ideal for use in extreme conditions against hazards. Ideal for use with the 3M 4000 and 7500 series half masks.



Product Code:

Clear

3M-2890S

3M Spectacles

These Safety Goggles provide superior comfort, field of view and a modern ergonomic design. Offering a high-level of protection, making them ideal for use in extreme conditions against hazards. Ideal for use with the 3M 4000 and 7500 series half masks.



Product Codes:

Clear

3M-2720

Yellow Tinted

3M-2742

MOQ's may apply, please ask for details

Six10™

NEW Two Part Gap Filling Epoxy Adhesive

**WEST
SYSTEM®**

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3M 8000 Series Classic Maintenance Free Particulate Respirators

These classic respirators give effective protection against fine dusts, oil and water based mists. Their convex shape, nose clip and twin-strap design offer an excellent fit over a wide range of faces. The 8812 & 8822 are equipped with 3M™ Cool Flow Exhalation valve which reduces heat build up to offer added comfort.



Non-Valved Product Codes:

FFP2 Pack of 20 3M-8810

Valved Product Codes:

FFP1 Pack of 10 3M-8812
FFP2 Pack of 10 3M-8822

Cup Shaped Product Codes:

FFP1 Pack of 20 3M-8710E

MOQ's may apply, please ask for details

3M 4000 Series Maintenance Free Gas-Vapour & Particulate Respirators

Respirators with integrated filters, designed for effective and comfortable protection against many gases, vapours and combinations of particulate hazards in the marine industry. The large carbon filters offer low breathing resistance.



Product Codes:

4251 FFA1 P2 3M-4251
4255 FFA2 P3 3M-4255

MOQ's may apply, please ask for details

3M 9300 Series Comfort Plus Maintenance Free Particulate Respirators

These respirators provide comfort and style without compromising performance, while providing effective protection against fine dusts, oil and water based mists. The range offers a special three-panel design for an improved comfort and fit. Individually packed to prevent contamination.



Non-Valved Product Codes:

FFP1 Pack of 20 3M-9310
FFP2 Pack of 20 3M-9320

Valved Product Codes:

FFP1 Pack of 10 3M-9312
FFP2 Pack of 10 3M-9322
FFP3 Pack of 10 3M-9332

3M 6000 Re-Usable Half Masks & Full Face Masks

These masks are designed for effective and comfortable protection against many gases, vapours and combinations of particulate hazards found throughout the marine industry when used in conjunction with the relevant bayonet filters. The wide range of particulate, gas and vapour and combination filters offer flexibility as well as being cost effective.



Half Mask Product Codes:

Small Half Mask 3M-6100S
Medium Half Mask 3M-6200M
Large Half Mask 3M-6300L

Full Mask Product Codes:

Medium Full Mask 3M-6800M
Large Full Face 3M-6900L

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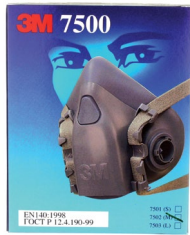
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3M 7000 Re-Usable Half Masks

The maintenance free 7000 series silicone re-usable masks have fully replaceable parts for maximum durability and quality. These respirators incorporate the 3M Bayonet connection system enabling a wide range of filters to simply click into place.



Product Codes:
 Medium 3M-7502
 Large 3M-7503

3M 8000 Series Maintenance Free Particulate Respirators

Premium respirators comprising expanded filter area, which reduces breathing resistance. Effective protection against fine dusts, oil and water based mists and metal fumes, and better comfort due to the soft face seal and adjustable straps to ensure a comfortable, properly sealed fit.



Product Codes:
 FFP2D Pack of 5 3M-8825 - MOQ 5
 FFP3D Pack of 5 3M-8835

3M 9925 Welding Fume Valved Respirator

Lightweight, effective, comfortable and hygienic respiratory protection against dusts, mists and metal fumes.



Product Code:
 FFP2 Pack of 10 3M-9925

MOQ's may apply, please ask for details

3M 2000 Series Particulate Filters

For use with the 6000 and 7000 full/half masks. These filters provide protection against solids and non-volatile liquid particles only. Lightweight and easy to use, they are designed for applications such as grinding or sanding. Equipped with the 3M Bayonet connection system, ensuring fast and precise locking.



Product Codes:
 P2R Pack of 20 3M-2125
 P3R Pack of 20 3M-2135

3M Particulate Pre-Filters & Retainer

Particulate filter protects against solid and liquid particles. Suitable for 3M 6000 & 7000 Series Half Face and Full Face Masks. Use with a 3M 501 retainer to combine with 3M gas and vapour filters.



Pre-Filter Product Codes:
 P1 Pack of 30 3M-5911
 P2 Pack of 20 3M-5925
 P3 Pack of 20 3M-5935

Retainer Product Code
 Pack of 2 3M-501-FT

3M 6000 Series Gas & Vapour Filters

Gas and vapour cartridges provide organic vapour protection and can be used with the 3M 6000, 7000 and 7500 Series masks with 3M Bayonet Connection system.



A1 = Organic gases & vapours. A2 = Organic vapours

Product Codes:
 A2/CLASS 2 Pack of 8 3M-6055
 A1/CLASS 1 Pack of 8 3M-6051

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The modular range of Supplied Air Respirators lets you choose how you want your system built, with the flexibility to change it in the future.

3M Versaflo Supplied Air Respirators offer protection against dusts, mists, fumes, gases or vapours and combination hazards e.g. paint spray.

Supplied Air Respirators do not offer protection in confined spaces, oxygen deficient atmospheres or for asbestos stripping.

SIX STAGE SELECTION PROCESS

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
1. Select your Belt Unit	2. Select your Belt Unit Coupling*	3. Select your Hose	4. Select your Hose Coupling Set*	5. Select your Breathing Tube	6. Select your Headtop
					

STAGE 1 - Choose your Belt Unit

3M Versaflo V-500E Supplied Air Regulator

Balanced regulator specifically designed for respirator use, the Versaflo V-500 Regulator ensures smooth airflow, optimum safety and comfort.

- Low-pressure warning whistle
- Replaceable charcoal filter
- Easy airflow adjustment
- Spray gun or compressed air tool port
- Approved to EN14594 with all featured headtops
- Assigned Protection Factor (APF) of 40 with 3M Versaflo S-Series & M-400 Headtops, APF of 20 with all others.



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3M Versaflo V-100 Air Cooling Unit

A good choice for workers who are exposed to uncomfortably high temperatures, in addition to their exposure to high concentrations of airborne contaminants.



3M™ Versaflo™ V-200 Air Heating Unit

A good choice for workers who are exposed to uncomfortably low temperatures, in addition to their exposure to high concentrations of airborne contaminants.



STAGE 2 - 3M™ Compressed Air Supply Tubes (CASTs)

Choose from 4 lengths

- Both ends of 3M™ CASTs have a 3/8" BSP male thread
- 3M CASTs form an integral part of the system approval process.



7.5m COILED CAST



10m CAST



30m CAST



10m CAST Antistatic

STAGE 3 - Belt Unit Couplings

Choose from Rectus or CEJN plug

- 1/4" BSP male thread



Rectus



CEJN

STAGE 4 - CAST Couplings

Choose from Rectus or CEJN plug and socket sets

- 3/8" BSP female thread



Rectus



CEJN

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STAGE 5 - 3M Versaflo BT-Series Breathing Tubes



3M™ Versaflo™ BT-20 S&L Breathing Tube
A lightweight breathing tube that comes in two lengths and is easy to wipe down.



3M™ Versaflo™ BT-30 Length Adjusting Breathing Tube
The Versaflo BT-30 breathing tube has a self-adjusting length for improve fit for all wearers and reduce risk of catching and snagging.



3M™ Versaflo™ BT-40 Heavy Duty Breathing Tube
The Versaflo BT-40 breathing tube is robust with and high durability for heavy industrial application and/or applications where hot particles may be present.

Air quality

When using 3M Versaflo Supplied Air Regulators it is important that the purity of the air from the compressor is tested to ensure it is of breathable quality. In the UK the Control of Substances Hazardous to Health regulations (COSHH) require that the air is tested at least every 3 months. The 3M™ Air Quality Test Service can carry out this testing for you. Contact 01344 857838 for a quote.

Filtration unit designed to filter compressed air supplied to the 3M range of Airfed Respirators

- ✓ Removes oil mist, particulate, water and nuisance level organic vapours
- ✓ If you intend to use the Aircare with the airfed CAST range (see stage 2), it is advised to purchase another set of CAST couplings (see stage 4)
- ✓ Available wall or floor mounted



STAGE 6 - 3M VERSAFLO HEADTOPS

3M™ Versaflo™ S-Series Headcovers and Hoods

Amongst the newest additions to the 3M™ Powered & Supplied Air Modular Range, the Versaflo S-Series Head Covers and Hoods have been designed using the latest computer modelling techniques resulting in our most comfortable range of headtops ever!

Comfortably worn by more users

The new 3M™ S-Series Head harnesses, through their sizing and adjustment options, will comfortably fit a broad range of head sizes.

Convenience of a hanging loop

Protection

The Versaflo S-Series Headcovers and Hoods meet the highest respiratory performance requirements (TH3) for this type of product when used with 3M™ Air Delivery Units. In addition they also provide eye and face protection to EN166 – liquid splash and low energy impact!

Improved visibility

Visors have an excellent field of vision particularly downwards, with reduced curvature for decreased reflections and glare.

Range of 4 fabrics

To suit more applications and needs.

Excellent airflow

All wearers benefit from excellent airflow distribution for improved comfort and lower noise.



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Choose between the integrated suspension head covers fully assembled and ready to use straight out of the box and the premium maintainable hoods.

3M Versaflo S-Series Headcovers

Integrated suspension models offer the advantages of being fully assembled and ready to use straight out of the box. They can be suitable for applications that require frequent replacement of the entire headtop assembly, such as pharmaceutical manufacturing, or in situations where there is less soiling of the outer fabric. For disposal, the suspension assembly and air inlet components can be quickly removed and separated for segregated waste streams, where facilities are available. Available in two adjustable sizes to comfortably fit more wearers: S/M and M/L.



3M Head Cover S-133

Provides head and face coverage. General purpose, cost-effective fabric



3M Head Cover S-333G

Similar to the S-133 but with more durable, soft, quiet, low-linting fabric



3M Head Cover S-433

Head, Face, neck and shoulder coverage. General purpose, cost effective fabric



3M Head Cover S-533

Similar to S-433 but with more durable, soft quiet, low-linting fabric that more readily drapes comfortably over the wearer.

3M Versaflo Premium Maintainable Hoods

The new designs permit significantly faster user assembly of the entire headtop. The rigid ducting of the head harness provides a consistent air path. It also has an externally-adjustable airflow control that allows wearers to modify the airflow distribution to suit personal comfort needs.

The external cover lets wearers control the location of the airflow.

OPENED VALVE



CLOSED VALVE



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Premium maintainable hoods can be a highly cost-effective choice for some high disposal rate environments: Just the soiled hood fabric is replaced, while the head harness and air ducting can be reused.



3M Hood S-655

Provides head, face, neck and shoulder coverage, as well as eye and face protection to EN166 - liquid splash and low energy impact. Its respiratory seal is a comfortable, knitted inner collar. General purpose, cost-effective fabric.



3M Hood S-657

The S-657 uses a doubleshroud design for its respiratory seal. The wearer tucks the inner shroud into a shirt or protective coverall, which allows excess air to be channelled over the body, providing additional comfort.



3M Hood S-757

Similar to the S-657 but with a fabric specifically intended to help capture paint overspray, minimizing the potential for paint to flake off the wearer and onto the work piece. The fabric also has an internal film barrier to help prevent paint contact with skin or clothes.



3M Hood S-855E

As with the S-655 hood, its respiratory seal is a comfortable, knitted inner collar. The S-855E hood is manufactured using a chemical resistant fabric - grey multi-layer barrier film extrusion laminated to polypropylene spun bound.

3M S-Series Headcover & Hoods Replacement Parts

Part Number:
S-605

Description:
Replacement fabric for S-655

3M S-Series Headcovers & Hoods Replacement parts

Part number
S-607

Description
Replacement fabric for S-657

3M S-Series Headcovers & Hoods Replacement parts

Part number
S-707

Description
Replacement fabric for S-757

3M S-Series Headcovers & Hoods Replacement parts

Part number
S-805E

Description
Replacement fabric for S-855E

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Integrated Protection for Multiple Hazards

- ✓ Provides protection from specific respiratory, head and eye hazards
- ✓ Optional hearing protection

Modern, Well Balanced Design

- ✓ Lightweight with excellent balance
- ✓ Fully-adjustable head suspension
- ✓ A deflector allows users to direct the airflow inside the headtop for increased control and comfort

Straightforward Care and Maintenance

- ✓ Spare parts and accessories are quick, easy and intuitive to replace

Visor Design

- ✓ Visor design combines excellent peripheral and downward vision with good optical clarity
- ✓ Lenses provide chemical and scratch resistance

3M™ Versaflo™ H-31 Helmet-Mounted Earmuff Assembly



(H31P3AF300)
SNR:28dB

3M™ Versaflo™ M-928 Peel-Off Visor Covers



3M Versaflo M-100 Series Faceshields - for respiratory, eye and face Protection

Two options for different applications:

M-106 features a general purpose faceshield for dusts, spraying and chemical processing. M-107 features a flame resistant faceshield for applications with hot particles.

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3MTM Versaflo™ M-300 Series Helmets - for respiratory, eye, face and head protection

Two options for different applications:

M-306 features a general purpose face seal for construction, chemical applications and heavy industry. M-307 features a flame resistant face seal for applications with hot particles.



3MTM Versaflo™ M-400 Series Helmets - for respiratory, eye, face and head protection

Two options for different applications:

M-406 features a general purpose shroud for construction, demolition and heavy industries. M-407 features a flame resistant shroud for applications with hot particles.

3M Welding Headtops

3M Welding Headtops, used in conjunction with the TR-300, Jupiter and V-500 Respiratory Systems, provide comfortable protection for welding applications.



HT-629 Welding Headtop

Comfort

- Easily fitted face seal in a knitted, breathable, elasticised material.
- No seams next to the face
- Hinge on filter holder for easy access.
- Able to hold conventional glass or auto-darkening.

filters

- Incorporates clear visor to enable the welder to inspect the weld comfortably without losing respiratory protection (HT-629 includes a wide-view, clear visor).
- A 3M BT-40 breathing tube must be used with the HT-639.

HT-639 Welding Headtop



Assigned Protection Factor (APF)

- When used with TR-300, Jupiter or V-500 - APF 20

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HT-749 Welding Headtop

This helmet provides integrated head, eye, welding and respiratory protection.

- UK-sized aperture (31/4" x 41/4" - 108 x 82mm).
- Independent welding and clear-view visors allow grinding and respiratory protection with welding visor up.
- Supplied with polycarbonate visors with medium energy eye impact and molten metal protection (EN 166:B:9)
- Assigned Protection Factor (APF): when used with TR-300, Jupiter or V-500 - APF 20



Speedglas Welding Headtop

The Speedglas 9000 welding headtop is a face, eye and respiratory protective system for increased comfort and safety in welding.

- Headtop features shade 5 side windows.
- Combine with a Speedglas Auto-darkening Filter (see right).
- Includes headtop and hose.
- Assigned Protection Factor (APF): when used with TR-300 or Jupiter - APF 20.



Speedglas™ 9002 Auto-darkening Welding Filters (for use with the Speedglas™ Welding Headtop)

The 9002 range offers a choice of three autodarkening filters with variable shades, normal or large viewing areas plus sensitivity and delay adjustments.

- Constant protection from ultraviolet and infrared radiation
- Consistent auto-switching from clear to dark and back again in just the way the welder wants
- Eliminates neck strain of 'shield flipping' while greatly increasing the accuracy of electrode placement.
- Speedglas 9002X - Variable shades 9-13 (larger view)
- Speedglas 9002V - Variable shades 9-13
- Speedglas 9002D - Dual shades 9/11

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3M Disposable Respirators

3M Four-Step Method

1. Identify The Hazard

Application*	Performance Level	Important Information
Sanding Cutting Drilling	P1	
	P1	When quartz concentration is high
	P2	
	P2	When chromates are present
	P3	
	P3	Special respirator maybe required
Low Temp.oil Spray	P2	
Welding	P2	3M 9928 or 3M 9925 for ozone protection
	P2	3M 9928 or 3M 9925 for ozone protection
	P2	
	P2	
Work with Asbestos	P2	For additional information
Work with Glass & Mineral fibres	P2	
Waste Sorting	P3	May need gas & vapour respirator
Spraying	P2	May need gas & vapour respirator
	P2	
Utility Maintenance (e.g Filter Change)	P3	
Allergies	P1	
	P2	
Contact with:	P2	
	P2	With Tuberculosis
	P2	
	P2	

*Warning: This guide is only an outline. It should not be used as the only means for selecting a respirator. Details regarding performance and limitations are set out on the respirator package and user instructions. Before using any of these respirators, the wearer must read and understand the user instructions for each product. Specific country legislation must be observed. Please note that the applications shown highlight some of the hazards which may be considered. Selection of the most appropriate respiratory protective equipment (RPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the actual working conditions and the limitations of RPE.

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2. Access the Risk

Nominal Protection Factor	EN 149:2001+A1:2009 FFP1 Respirators	EN 149:2001+A1:2009 FFP2 Respirators	EN 149:2001+A1:2009 FFP3 Respirators	EN 149:2001+A1:2009 Welding Respirators
	NPF 7	NPF 12	NPF 50	NPF 12
Typical Applications	Low levels of fine dust (up to 4 x TLV) and oil or water based mist typically found during hand sanding, drilling and cutting	Moderate levels of fine dust (up to 12 x TLV) and oil or water based mist typically found during plastering, cement, sanding and wood dust	Higher levels of fine dust (up to 50 x TLV) and oil or water based mist typically found when handling hazardous powders found in the pharmaceutical industry or work with biological agents and fibres	Moderate levels of fine dust (up to 10 x TLV), oil and water based mist, metal fume and ozone (10 x TLV) and organic vapours below TLV typically found in welding and soldering

Nominal Protection Factor (NPF): The theoretical protection level of a respirator based on laboratory measured performance data.

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3. Select the Right Respirator

Once you have selected the protection factor you require, you can then consider whether you need a cup-shaped respirator, or a foldable respirator, whether it has buckled straps and whether it is valved or not.



3M Cup-Shaped Respirators

- +Convex shape, nose clip and twin strap design
- +Easy to fit
- +Durable, collapse resistant shell



3M™ Foldable Respirators

- +Ultra soft, flexible and comfortable fit resulting from the multiple panel design
- +Comfort Series - Flat Fold only: Individually packed, foldable design prevents contamination before use and allows easy storage



3M™ Buckle Strap Respirators

- +Robust and durable design provides multishift capability and secure feel
- +Adjustable braided headbands
- +Soft inner face-seal improves comfort



3M™ Cool Flow™ Valve

- +Effective removal of heat build-up provides a cooler and more comfortable wear
- +Provides longer continuous wear time
- +Reduces risk of fogging of spectacles and eyewear

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4. Training in Fitting and Use

Training Offered by 3M

Correct use and appropriate maintenance of personal protective equipment (PPE) from 3M makes a major contribution towards ensuring that it provides effective protection. Our experienced sales and technical teams will help you make the most of your products.

In compact training units, they will show you and your employees how to recognize potential hazards, suggest what measures to take and help explain how to choose the appropriate protective equipment for each particular situation.

EN 149:2001+A1:2009 Standard

3M Disposable Respirators meet the requirements of European Standard EN 149:2001 + A1:2009, filtering facepiece respirators for use against solid and non-volatile liquid particles only. Products are classified by filtering efficiency and maximum total inward leakage performance (FFP1, FFP2 and FFP3), also by usability and clogging resistance.

Performance tests in this standard include:

- +Filter penetration and extended exposure (loading) test - evaluates the filtration performance when new and over time.
- +Breathing resistance - evaluates the ease of breathing (inhalation and exhalation) through the respirator.
- +Total inward leakage - evaluates the filter penetration, valve leakage (if fitted) and importantly the face seal leakage of the respirator when worn by a panel of different people whilst conducting simulated work exercises.
- +Clogging resistance - evaluates the ability of the respirator to continue to function effectively and provide respiratory protection in very high dust environments.

Reusable products are also subjected to a cleaning cycle (specified by the manufacturer) and 24 hour storage to confirm the product performance is not affected by re-use. Clogging resistance testing is a mandatory requirement for reusable products, but is optional for single shift use only (non reusable) products. A full copy of EN 149:2001+A1:2009 can be purchased from your national standards body.

Marking designations:

R = Reusable

NR = Non reusable (single shift use only)

D = Meets the clogging resistance requirements

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3M EVM Environmental Monitoring Series

The 3M™ EVM Series monitors both particulates and air quality in one compact instrument. From healthcare and manufacturing to construction and military applications, the EVM Series provides a lower cost of ownership by combining three instruments into one. Its user-friendly interface, patented dial-in rotary impactor, and advanced reporting and analysis features make it a particulate and IAQ area monitoring instrument of choice for industrial hygienists and safety professionals worldwide. This durable, easy to use model provides simultaneous worksite areas monitoring of:

- +Particulate mass concentrations (0.1-10 µm)
- +Select volatile organic compounds
- + Temperature
- +Carbon dioxide
- +Select toxic gases

3 Models to choose from

EVM-3

Specializes in real-time direct reading of particulate concentrations. This tri-sensor instrument utilizes the built-in sampling pump and dial-in impactors for real-time mass concentration readings.

EVM-3 measures:

- +Particulate mass concentration (0.1-10 µm)
- + Temperature
- +Relative Humidity

EVM-4

Multi-sensor instrument designed for indoor air quality investigations. Simultaneously track, log and monitor multiple indoor air quality parameters including room air exchange rates and dew point.

EVM-4 measures:

- + Toxic Gas (choose from nine sensors)
- +Carbon Dioxide
- + Temperature
- +Relative Humidity

EVM-7

The EVM-7 has the features needed for many air quality and particulate concentration assessments.

- +Particulate mass concentration (0.1-10 µm)
- + Toxic Gas (choose from nine sensors)
- +Carbon Dioxide
- + Temperature
- +Relative Humidity
- +Volatile Organic Compounds

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The Importance of Comfort

To make sure that the respirator protects you, it must be worn during all periods of exposure. Make sure that you choose a respirator that you can wear comfortably for your entire shift.

Here's what to look for:



Breathing ease

An efficient exhalation valve and high-efficiency, low breathing resistance filter material will help you to breathe comfortably.

Coolness

An efficient exhalation valve minimises heat build up, particularly in hot and humid work conditions.

Face and head comfort

The respirator's edge should be flexible and the shape and size should cover the nose, mouth and chin without causing excessive pressure. A headband material which provides a good, even tension across the head can ensure a comfortable, secure fit for a range of head sizes.

Skin comfort

Skin comfort will be affected by the smoothness and softness of the inner material in contact with the skin - especially over a long period of time. A soft inner face seal and sweat absorbent nose foam will provide greater comfort. Rough or hard materials, coupled with a high temperature inside the respirator may be itchy and unpleasant.

Lightweight

Take advantage of technological innovation and choose a lightweight respirator for optimal comfort.

Compatibility with other PPE

Make sure that the respirator you select fits well with the other PPE required for your work such as eyewear and hearing protection to ensure maximum comfort.

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The Importance of Fit

Disposable respirators are most effective when there is a good seal between the edges of the respirator and your face. The instant this seal is broken, protection is compromised as contaminated air can leak in through any gaps.

Here's what to look for:

- + Upper strap should be positioned on the crown of the head. Strap should not be twisted
- + Noseclip should be moulded around nose and cheeks to give a good seal
- + Respirator should be correctly positioned on your face and head
- + For flat fold respirators make sure the panels are fully unfolded
- + Lower strap should be positioned below the ears. Strap should not be twisted



+ The face should be clean shaven

+ Long hair should be tied back

+ Using both hands, mold the noseclip to the shape of the lower part of the nose to ensure a close fit and a good seal. Do not pinch the noseclip with only one hand as may not give a good fit.

Fit Check

- ++ A pre-use fit check must be conducted every time you fit your respirator
- ++ Cover the front of the respirator with both hands, being careful not to disturb the fit of the respirator
- ++ Unvalved respirator – exhale sharply, Valved respirator – inhale sharply
- ++ If air leaks around the nose, re-adjust the noseclip to eliminate leakage
- ++ If air leaks at the respirator edges, work the straps back along the sides of the head or adjust the tension to eliminate leakage

Repeat the above fit check. If you cannot achieve a proper fit do not enter the hazardous area - see your supervisor.

One model of respirator may not fit everyone. Users should be fit tested in accordance with national requirements. For information on fit testing procedures, contact your safety officer or 3M.

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