

## 3M. Putting the Safety into Chemistry.

Personal protective equipment is especially in the chemical industry in many areas indispensable. It is essential to protect users from health risks and keep them safe during the different processes. As one of the leading companies within the PPE market 3M is providing several products and solutions for hazardous working environments to keep the people safe in the best way.

Activities in the chemical industry that possibly pose hazards to the head, the eyes and the face include:

- ▶ when filling and decanting hazardous substances.
- ▶ when opening valves or repairing pipelines or equipment.
- ▶ through dripping or splashing of chemicals.
- ▶ through falling objects.
- ▶ when bumping heads against protruding objects.

## Extreme conditions. Best possible protection.

A multitude of different types of operations and working conditions present specific challenges to the health and safety departments to ensure occupational health and safety of the workers in the chemical industry. The 3M product range is optimally matched to these challenges and offers professional personal protective equipment for many applications. Particularly important – as is pointed out in the PPE Directive 89/656/EEC – is the compatibility of the accessories. The 3M products not only meet these requirements but also offer particularly high wearing comfort.

## Flexible solutions for hazardous operations.

**3M™ Safety Helmet G3000.**  
Available in different versions (ventilated/unventilated) and various colors.

**3M™ 5A-CP**  
Acetate faceshield with added chin protection and anti-fogging coating.

**3M™ Earmuffs X Series.**  
Different attenuation levels available.

## Many options for safety and highest comfort.

### MAINTAIN PRODUCTION AND COMMUNICATE AT A DISTANCE!

**3M™ PELTOR™ WS™ LiteCom PRO III**  
403-470 MHz  
analogue/digital, ATEX version  
enables wireless communication in noisy surroundings.

- Easy to use.
- Bluetooth® technology.
- Integrated, programmable Two-way radio.
- Long range.
- Low power consumption.
- Situational awareness with level-dependent function.
- Protection against noise.
- Perception of the ambient noises.
- Rechargeable Lithium-ion-battery.

**Safety.  
Comfort.  
Productivity.**

## Modular. Compatible. Flexible.



X2P5E helmet attachment yellow, SNR = 30 dB, with helmet adapter P5E



X3P5E helmet attachment red, SNR = 32 dB, with helmet adapter P5E



X4P5E Helmet attachment neon yellow, SNR = 32 dB, with helmet adapter P5E



X5P5E Helmet attachment black, SNR = 36 dB, with helmet adapter P5E



3M™ Tuffmaster H8 headgear. With acetate faceshield WP98.





# Other 3M solutions for the chemical industry.

**3M™ Safety Goggles Series 2890** to protect against liquid splashes, dust and gasses are available optionally with acetate or polycarbonate lenses, sealed or with indirect ventilation and with the durable Scotchgard™ anti-fog coating.



3M™ Safety Goggles Series 2890



3M™ Reusable Respirator 4279+ FFABEK1P3 R D

**3M™ Maintenance Free Reusable Respirator 4279+**  
Engineered for improved breathing ease, this evolution of 3M's most popular maintenance-free reusable half mask is convenient to use, reassuringly reliable and now offers measurable improvements in comfort. With no parts assembly or maintenance required this simple, lightweight, well balanced respirator offers reliable respiratory protection against a range of gases, vapours and particulates typically found in a variety of industries. A unique bonded carbon technology allows the respirator to sit close to the face and fit well under many other types of protective equipment, providing an undisturbed field of vision and a more comfortable worklife.

- New enhanced exhalation valve assembly reduces breathing resistance by over 30%.
- Low profile design for better peripheral vision.
- Lightweight, well balanced design.
- Soft, non-allergenic material with textured face seal.
- Proven to consistently exceed EU standard requirements for breathing ease.

**3M™ Versaflo™ Powered Air Turbo TR-800**  
Intrinsically Safe (IS) Powered Air Turbo and Battery TR-800 Series are ATEX Certified for use in potentially explosive atmospheres whilst offering the comfort, modularity, control and ease of use expected from the 3M™ Versaflo™ platform. Exchangeable components enable you to put together a blower respiratory protection system, which meets the requirements of your individual application and working environment. The blower unit can be equipped - depending on the application - with different headtops.



3M™ Versaflo™ Powered Air Turbo TR-800



3M™ Versaflo™ Integrated Suspension Headcovers and Hoods S-Series

**The 3M™ Versaflo™ lightweight hoods of the S-Series** convince through very good air distribution, noise reduction, a large field of vision and soft, coated sealants for face and neck. They correspond to the highest possible protection level TH3. The visors offer besides a distortion-free vision, a tested eye- and face protection according to EN166:F. The lightweight hoods of the S series are available as practical disposable bonnets or as hoods for multiple use available.

**3M™ Versaflo™ Helmets M-300 Series** feature lightweight, compact and well-balanced helmets that can offer integrated protection from a range of respiratory, head, eye, face and hearing hazards. M-300 Series helmets meet the highest respirator performance requirements (TH3) for this type of product when used with specific 3M™ Air Delivery Units. They are also tested and approved to EN397-Head protection. Another option is to use them together with 3M™ PELTOR™ LiteCom headsets: M-300 Helmets offer the possibility to communicate effectively whilst protecting your hearing in noisy environments.

Type	Ill.	Product	Features
		3M™ Safety Helmet G3000 with or without ventilation	<ul style="list-style-type: none"><li>• Optimal combination of secure fit and comfort.</li><li>• Available in 7 colours: <span style="color: yellow;">●</span> <span style="color: white;">○</span> <span style="color: red;">●</span> <span style="color: orange;">●</span> <span style="color: green;">●</span> <span style="color: blue;">●</span> <span style="color: purple;">●</span></li><li>• Slim, slightly rounded design.</li><li>• Complies with the EN 397 standard.</li><li>• Headband easily replaceable, available in plastic or leather for increased comfort.</li><li>• Optional printable surface (e.g. logo, brand name etc.).</li><li>• Optionally available with 3M™ Scotchlite™ reflexible fabric strip.</li></ul>
		3M™ Safety Helmet G3001 – 1000 Volt	
		3M™ Acetate Faceshield with chin protection 5A-CP	
		3M™ Faceshield Holder V5	<ul style="list-style-type: none"><li>• Robust acetate visor offers chemical resistance and impact strength.</li><li>• Transparent chin guard for protection of the chin against splashes and free downward view for chemical industry applications.</li><li>• Meets the requirements of EN166 level FT.</li><li>• Coating provides anti-fogging properties certified to EN166, marking N</li></ul>
		3M™ Chinstrap GH4, 3-point mounting for 3M™ Safety helmets G3000	
		3M™ PELTOR™ WS™ LiteCom PRO III EX Headset	
		3M™ Earmuffs X Series- helmet version	<p>3M™ PELTOR™ WS™ LiteCom Pro III EX Headsets are our high-performance hearing protectors approved for use in explosive environments:</p> <ul style="list-style-type: none"><li>• Approved for use in explosive environments according to ATEX/IECEx regulations.</li><li>• Hearing protector with built-in programmable analogue/digital two-way radio.</li><li>• Push-to-listen quick activation of level dependent function.</li><li>• Program up to 70 unique radio channels.</li><li>• Bluetooth® multipoint connectivity allows seamless connection of mobile devices.</li><li>• Noise cancelling waterproof microphone.</li><li>• Level-dependent technology helps improve situational awareness and communication.</li><li>• External connection jack.</li><li>• Voice operated transmission (VOX).</li><li>• Lithium-Ion rechargeable battery.</li><li>• Helmet mounted model.</li></ul>
		3M™ Hygiene Kits for X-Series	
		3M™ P3E Adapter without ear muffs, 1 pair	
		3M™ H8 Headgear with ratchet headband	<p>3M™ Helmet version X2P5E, SNR = 30 dB 3M™ Helmet version X4P5E, SNR = 32 dB</p> <p>3M™ Helmet version X3P5E, SNR = 32 dB 3M™ Helmet version X5P5E, SNR = 36 dB</p> <p>Spare sealing rings and damper pads. Replaced in a few simple steps to ensure good functioning and hygiene.</p> <p>P3E-adapter for attaching faceshield holder V5 to the helmet G3000.</p>
		3M™ SecureFit™ Safety Helmet X5000 Series*	
		3M™ Protective Acetat Visor WP98	
		3M™ Faceshield Holder U5B-CE for SecureFit™ Safety Helmet (X5000)	<ul style="list-style-type: none"><li>• High-strength thermoplastic headband.</li><li>• Impact protection over a wide temperature range.</li><li>• Adjustable ratchet closure provides a comfortable, snug fit.</li><li>• Upper headband with five possible settings for extra support and comfort.</li></ul> <p>• Suspension system incorporates exclusive patented Pressure Diffusion Technology.</p> <ul style="list-style-type: none"><li>• 4-point or 6-point ratchet suspension allows wearer to customize height and fit.</li><li>• Compatible with a variety of 3M visors, earmuffs and other accessories.</li><li>• Proprietary UV indicator that lets wearer know when to replace helmet due to UV exposure.</li><li>• Available in a wide range of colours - also in reflective versions.</li></ul>
		3M™ Safety Goggles 2890 Series – 2890A/2890SA	
		3M™ U5B-CE Faceshield Holder for SecureFit™ Safety helmets for the combination with WP98 acetate visor.	

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**3M Science. Applied to Life.™**

# 3M™ Head and Face Protection Solutions for the Chemical Industry.

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