

Take your safety personally

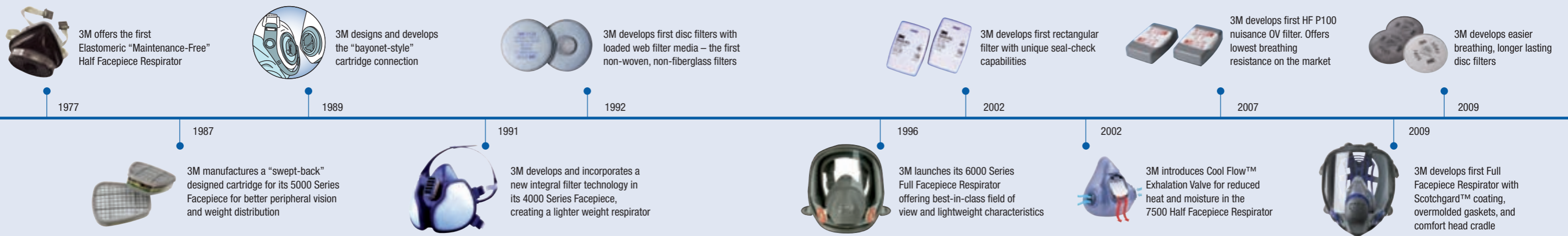
# Exceptional quality & unrivalled comfort

## Half & Full Face Masks by 3M

Hazardous substances are formed in many industries and applications. To help you provide the right product solution, 3M assists you in identifying and assessing the risk in your working environment. 3M's Half and Full Face Masks can be used with a broad range of filters that offer effective protection against gases, vapours and particles. For prolonged periods of use, Half and Full Face Masks by 3M offer exceptional value and quality, and all combine unrivalled comfort with ease of use.

## The Selection of Respiratory Protection Equipment follows a basic 3M four-step method:

- 1 Identify the Hazards – dust, metal fume, gas, vapour etc.
- 2 Assess the Risk – assess the hazard levels against safety standards and consider other protection – skin, eye and body
- 3 Select the right Respirator – disposable, reusable, half mask, full face, powered, supplied-air
- 4 Train in Fitting and Use – to optimise respiratory protection



# 3M™ Half Masks & Full Face Masks



## 1. Identify the Hazards

Application	Hazard	Recommended Protection
Painting, Spraying, Varnishing, Coating	Solvent-Based Paint**	A2P3R
	Anti-Fouling Paint Spraying / Grinding	A2P3R
	Water Soluble Paint	A1P2R
	Solvents, Resins, Synthetic Resins**	A2P3R
	Latex-Paint, Residual Solvents	A2P3R
Maintenance	Wood Preservatives	A1P2R
	Disinfection, Cleaning*	A1P2R
Decoration	Spray-On Glue, Foam, Varnish, Adhesive	A1P2R
Waste Removal	Bacteria, Spores, Odours	A1P2R
Agriculture	Pesticides, Insecticides	A1P2R
Wood Treatment	Bonding, Spray-On Glue	A2P3R
	Tarring	A2P3R
Construction, Grinding, Cutting, Drilling	Clamming, Sealing	A1P2R
	Spray Foam Insulation	A1P2R
	Organic Solvent/Dichloromethane	AX
Acid-etching	Ammoniacal Paint Remover	ABEK
	Polyurethane Coating	ABEP3R
Welding	Stainless Steel	ABEP3R
	Solvent Based Varnish	A2
Coating	Water Based Varnish	A1
	Solvent containing Adhesives	A1
Bonding	Sulphur Dioxide	ABE
	Hydrochloric Acid	ABE
	Liquid Manure	ABEK
	Ammonia	K
	Benzene	A2
	Hazardous goods storage/transport	ABEKP3R

\* 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.

\*\* Application limits for Gas & Vapour respirators:  
Half masks should be used up to 50 times TLV. Full face masks should be used up to 200 times TLV  
Class 1 filter up to 1,000 mg/m<sup>3</sup> (0,1 Vol%); Class 2 filter up to 5,000 mg/m<sup>3</sup> (0,5 Vol%), as the case may be to which limit is reached first.  
AX-Filter for low boiling point (organic composition with a low boiling point under 65 °C). AX-Filter should only be fitted to 3M™ Full Face masks.  
A1 and A2 Filter for organic vapour with a boiling point above 65 °C.

\* excluding Formaldehyde  
\*\* for occurrence of Isocyanates, please contact the 3M Customer Helpline +44 (0) 870 60 800 60 or your local 3M office

## 2. Assess the Risk

Application limit of Particulate Respirators with removable filter		Important Information
half mask	full face mask	
4	4	not against particles of carcinogenic and radioactive materials, as well as air-transported biological substances of risk-group 2 u. 3 and enzymes
12	16	not against particles of radioactive materials and air-transported biological substances of risk-group 3 and enzymes
50	200	

\* Nominal Protection Factor



White – Particulate Protection  
Brown – Organic Vapours Protection  
Grey – Inorganic Vapours Protection  
Yellow – Acid Gases Protection  
Green – Ammonia and its Derivatives

## 3.1 Select the Right Respirator

3M™ Reusable Respirator Series	4000 Series	3000 Series	6000 Series	7000 Series	6000 Series	7907S	FF-400
	Half Masks	Half Masks	Half Masks	Half Masks	Full Face Masks	Full Face Masks	Full Face Masks
Durability	●		●	●●	●●	●●	●●
Maintenance-free	●●						
Ready to use	●						
Comfort	●●	●	●●	●●	●●	●	●●●
Lightweight	●	●●	●●	●	●●	●	●●●
Easy to fit	●●	●	●	●	●	●	●
Adjustable head bands	●	●	●	●●	●	●●	●●
Drop Down feature				●●			
Easy-to-clean design		●●	●	●●	●●	●	●●
Quick de-assembly for maintenance				●●			●
3M™ Cool Flow Valve				●●	●●		●●
Compatible with 3M Supplied Air System			●●	●●	●●	●●	
Modular replacement filter system		●	●●	●●	●●	●●	●●
Variety of filters	●	●	●	●	●●	●●	●●
Eye Protection					●●	●●	●
Six-point head harness						●●	●●
Speaking diaphragm						●●	●●
Spare parts			●	●●	●	●●	●●
Accessories	●	●	●●	●●	●●	●●	●●
Multiple sizes available		●	●●	●●	●●	●●	●●
Colour coded sizes		●	●●	●●	●●		

## 3.2 Select the Right Filter

**Particulate Protection only**

**Combined Particulate + Gas & Vapour Protection**

**Particulate Protection only**

**Gas & Vapour Protection only**

**Particulate protection with relief from nuisance odours**

**Combined Particulates + Gas and Vapour Protection**

Optional 3M™ S-200 Regulator, compatible with 3M™ Reusable Respirator Series

\* For use with Full Face Masks only by 3M

# 3M™ Half Masks & Full Face Masks



## 3M™ Bayonet Filter Attachment System

The unique, compatible Bayonet Filter Attachment System allows different types of filters to just be clicked into place ensuring optimum ease of use. 3M Half and Full Face respirators stand out in terms of quality and reliability. The choice of the right mask and filter type depends on your particular working environment and individual requirements. As all respirators have to pass strict quality control tests, they provide a consistently high level of safety. We analyse with you on site which products are suitable to achieve the optimum results. Respirators by 3M offer safety and increase productivity.



3M™ 2000 Series Particulate Filters with EN143: 2000

Filter	Protection level	Protection against
2125	P2R	solid and liquid particles
2128	P2R	Solid and liquid particles plus ozone protection 10 x TLV and organic vapours/acid gas below TLV
2135	P3R	solid and liquid particles
2138	P3R	Solid and liquid particles plus ozone protection 10 x TLV and organic vapours/acid gas below TLV



3M™ 6035/6038 Series Particulate Filters with EN143: 2000

Filter	Protection level	Protection against
6035	P3R	solid and liquid particles – in stable plastic cage for rough application
6038	P3R	Particulates, Hydrogen Fluoride gas up to 10 x TLV with half mask or 30 ppm with full face mask and relief from nuisance level ozone, organic vapours and acid gases below TLV



3M™ 6000 Series Gas and Vapour Filters

Filter	Protection level	Protection against
6051	A1	organic gases & vapours
6054	K1	ammonia and derivatives
6055	A2	organic vapours, inorganic vapours and acid gases
6057	ABE1	organic vapours, inorganic vapours and acid gases
6059	ABEK1	organic, inorganic and acid gases, ammonia and derivatives
6075	A1+	formaldehyde



3M™ 5000 Series Particulate Filters with EN143: 2000

Filter	Protection level	Protection against
for combination with gas filters:		
5911	P1R	solid and liquid particles
5925	P2R	solid and liquid particles
5935	P3R	solid and liquid particles
501		filter retainer

Filter against gases/vapours and particulate:		
6096	A1 HgP3R	organic acids and vapours, mercury vapours and particulate
6098*	AXP3R	single compound organic vapours (boiling point below 65 °C) and particulate
6099*	ABEK2P3R	organic vapours, inorganic and acid gases, ammonia, derivatives and particulate

\* Only for full face masks.  
The filters of the 6000 Series conform with the European Standards: EN14387 and EN143.

## 3M™ 4000 Series Maintenance-Free Reusable Respirators

The 4000 Series Respirators by 3M are a range of ready-to-use, maintenance-free half masks designed for effective and comfortable protection against a combination of many gases, vapours and particulate hazards found throughout industry. Utilising unique filter technology enables a very low-profile design for undisturbed field of vision to make your worklife more comfortable.

### Features and Benefits:

#### Facepiece

- + Low profile design for better peripheral vision
- + Lightweight, well balanced design
- + Soft, non-allergenic material with textured face seal

#### Built In Filters

- + Four versions available, each offering protection against differing hazards throughout industry
- + One piece, maintenance-free construction

#### Exhalation Valve

- + Central position for effective removal of heat and moisture build up within face piece

#### Adjustable Head Cradle and Neck Straps

- + Stable secure fit
- + Easy to fasten neck strap

#### Cost Effective

- + Use until damaged, particulate filters clog, gas filters become saturated or after one month

#### Convenience

- + Resealable bag provides convenient and clean storage between uses

#### Extras

- + 3M™ 400 Overspray Guard pre-filter is available to help prolong the life of the main particulate filters

#### Compatible with

- + Eyewear from 3M
- + Hearing Protection from 3M



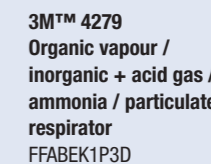
3M™ 4251 Maintenance-Free Respirator EN405:2001

### 3M™ 4000 Series Maintenance Free Respirators available:



3M™ 4251 Organic vapour + particulate respirator FFA1P2D

3M™ 4255 Organic vapour + particulate respirator FFA2P3D



3M™ 4279 Organic vapour / inorganic + acid gas / ammonia / particulate respirator FFABEK1P3D

3M™ 4277 Organic vapour / inorganic + acid gas / particulate respirator FFABE1P3D

### 3M™ Accessories for 4000 Series



3M™ 400 Overspray Guard

# 3M™ Half Masks & Full Face Masks



## 3M™ 3000 Series Reusable Half Masks

The new 3M 3000 Series Respirators is the perfect fit for a tight budget, securing high levels of working protection and comfort at a hard-working price. Compact and light, it moulds itself softly and securely to the contours of your face without blocking your view. You can quickly snap-on the relevant gas or particulate option and, with the benefit of 3M innovation and quality, keep both your breathing and your mind at ease.

### Features and Benefits:

#### User-friendly

- + low profile design allows a wide field of vision
- + lightweight makes long period of wear bearable
- + soft, elastomeric face-fit secures a lasting comfort
- + available in two sizes (S/M and M/L)
- + unique, easy to don/doff strap system

#### Versatile

- + snap-on options suitable for a wide range of chores
- + cartridge options for organic vapours/gas
- + filter options for a combination of organic vapours and particulates

#### Great value

- + durable, designed to last – without weighing you down
- + 3M quality at an affordable price
- + for optimal comfort, choose a respirator that fits well with the other PPE you need for the job

#### Filter Options

##### Option 1: For gas & vapour protection



##### Option 2: For particulate protection



##### Option 3: For gas, vapour and particulate protection



3M™ 3200 Reusable Half Mask  
3M™ 3100 Half Mask – small light (grey)  
3M™ 3200 Half Mask – medium/large (grey)

### 3M™ 3000 Series Respirator Range



3M™ 3200/3M™ 3100  
Half Mask



3M™ 3391  
Gas and Vapour Cartridge  
with pre-attached filter



3M™ 3351  
Gas and Vapour Cartridge



3M™ 3700  
Particulate Filter Holder



3M™ 7725  
Prefilter

3M™ 774  
Retainer



3M™ 3725/3728  
Particulate Filter

## 3M™ 6000 Series Reusable Half Masks

The 3M 6000 Series reusable half masks are economical, low-maintenance, simple to handle and extremely lightweight. Available in three sizes, all masks have the 3M™ Bayonet Connection System allowing connection to a broad range of twin filters to protect against

gases, vapours and particulates depending on your individual needs. 6000 series half masks by 3M can also be used with 3M™ Supplied Air Systems for your increased convenience and flexibility.

### Features and Benefits:

#### Head Harness

- + Designed for compatibility with other 3M Head and Eye protection
- + Cradle suspension for comfortable fit
- + Easy to fasten neck strap

#### Lightweight Elastomeric Face Piece

- + Three colour coded sizes for easier identification
- + Lightweight elastomeric material for comfort during long periods of work
- + Ultra-low weight of 82g
- + Reducing maintenance cost to minimum

#### Low-Profile Design

- + Minimises interference with field of view
- + More simplicity for easy handling

#### Filter Connection

- + Twin filter design provides lower breathing resistance
- + Better weight distribution and more balanced fit
- + Improved peripheral vision
- + Safe and secure fit
- + Optical marking of attachment point
- + Flexible System for gas, vapour, particulate filters
- + Optional supplied-air connection

#### Plus

- + A variety of spare parts available
- + Available in three sizes distinguished by different colours

#### Compatible with

- + Eyewear from 3M
- + Hearing Protection from 3M



3M™ 6200 Half Mask (medium)  
EN140:1998  
3M 6100 – small (light grey)  
3M 6200 – medium (grey)  
3M 6300 – large (dark grey)

### New Ready-to-Use Respirator Packs – 3M 6000 Series reusable half masks



With 3M's new range of reusable Ready-to-Use Respiratory Packs you have a safe solution for most common applications in industry, construction, agriculture and painting. Each pack contains a reusable half mask accompanied by a set of filters to protect against gases, vapours and particulates. You can choose between two different filter combinations of A1P2 R and A2P3 R to best meet your individual needs for protection.

# 3M™ Half Masks & Full Face Masks



## 3M™ 7500 Series Reusable Half Masks

3M 7500 series reusable half masks have set a new standard in comfort. The patented exhalation valve provides increased durability and is easy to keep clean. Reduced breathing resistance helps to minimise heat build-up in the mask and increases your comfort.

Available in three sizes, all masks have the 3M™ Bayonet Attachment System offering a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs and can also be used with 3M™ Supplied-Air Systems.

### Features and Benefits:

#### Head Harness

- + Balanced, secure fit
- + Reduced pressure and tension points
- + DropDown feature for added convenience during breaks
- + Designed for compatibility with 3M Head and Eye protection Soft Silicone Face Piece
- + Three colour coded sizes for easier identification
- + Soft silicone material for comfort and durability
- + Thin nose bridge area for more comfort
- + Fully maintainable
- + Low weight of 136 gr.
- + Quick release for maintenance



**3M™ 7503 Half Mask  
EN140:1998**  
3M™ 7501 – small (grey blue)  
3M™ 7502 – medium (light blue)  
3M™ 7503 – large (dark blue)

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

- + Less exhalation resistance
- + Easier breathing
- + Less heat and sweat build-up
- + Eliminates valve vibration
- + Downwards flow of exhaled air
- + Stays clean

#### Low-Profile Design

- + Minimises interference with field of view
- + Minimised dirt-traps
- + Reduced fogging with eye protection
- + Sleek look and feel

#### Filter Connection

- + Twin filter design provides lower breathing resistance
- + Better weight distribution and more balanced fit
- + Improved peripheral vision
- + Safe and secure fit
- + Optical marking of attachment point
- + Flexible System for gas, vapour, particulate filters
- + Optional supplied-air connection

#### Plus

- + Full range of spares available
- + Available in three sizes distinguished by different colours

#### Compatible with

- + Eyewear from 3M
- + Hearing Protection from 3M

#### Other Reusable Half Masks by 3M

**3M™ 7002 Half Mask with rubber face seal and textured nose cup for reduced slippage and skin irritation.**  
Available in medium and large size – 3M™ 7003 Half Mask



#### New Ready-to-Use Respirator Packs – 7500 Series



## 3M™ 6000 Series Reusable Full Face Masks

The 3M 6000 series full face masks are simple to handle and comfortable to the wearer. The new exhalation port provides increased durability and is easy to keep clean. Available in three sizes, all masks

have the 3M™ Bayonet Connection System enabling connection to a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.

### Features and Benefits:

#### Full Face Piece

- + Soft, non-allergenic elastomeric face piece
- + Soft, non-allergenic elastomeric face piece
- + Extremely lightweight (400 grams) for high comfort

#### Full Face Lens

- + Broad field of vision
- + Polycarbonate lens, scratch and impact resistant to EN166:2001 B

#### 4 Strap Head Suspension

- + Easy to put on and take off
- + Well balanced

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

- + Less exhalation resistance
- + Easier breathing
- + Less heat and sweat build-up
- + Eliminates valve vibration
- + Downwards flow of exhaled air
- + Minimised dirt-traps to stay clean
- + Sleek look and feel

#### Filter Connection

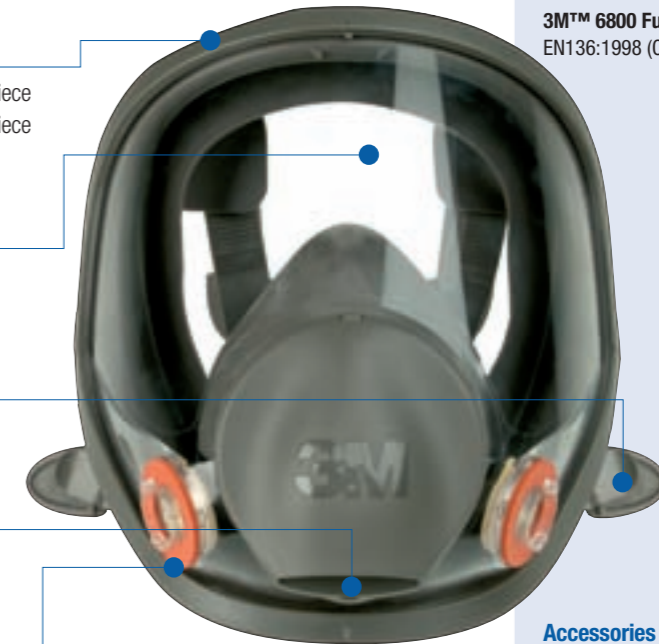
- + Twin filter design provides lower breathing resistance
- + Better weight distribution and more balanced fit
- + Improved peripheral vision
- + Safe and secure fit
- + Optical marking of attachment point
- + Flexible System for gas, vapour, particulate filters
- + Optional supplied-air connection

#### Plus

- + Available in three sizes distinguished by different colours:  
6700 – small (light grey)  
6800 – medium (grey)  
6900 – large (dark grey)

#### Compatible with

- + Hearing Protection from 3M



**3M™ 6800 Full Face Mask (M)  
EN136:1998 (Class 1)**

#### Accessories for 3M Respirators



**3M™ 106  
Carry Bag**



**3M™ 105  
Face Seal Wipe**

# 3M™ Half Masks & Full Face Masks



## 3M™ 7907S Reusable Full Face Mask

The 3M 7907S full face mask offers durability and safety for demanding tasks that require face and respiratory protection.

The 3M™ Bayonet Connection System offers a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.

The 7907S full face mask by 3M can also be used with Supplied-Air Systems by 3M for your increased convenience and flexibility.

### Features and Benefits:

#### Six Strap Head Harness

- + Polycarbonate scratch and impact resistant visor with wide field of view
- + Easy and secure fit for maximum safety
- + Provides greater stability
- + Easy release buckles

#### Full Face Lens

- + Large polycarbonate lens
- + Spectacle kit and lens covers available

#### Facepiece

- + Double face sealing for safe, secure fit to most face sizes
- + 6 Strap suspension
- + Silicone rubber one-size-fits-all
- + Highly durable
- + Complete range of consumables available
- + Speech Diaphragm for improved communication

#### Filter Connection

- + Twin filter design provides lower breathing resistance
- + Better weight distribution and more balanced fit
- + Improved peripheral vision
- + Safe and secure fit
- + Optical marking of attachment point
- + Flexible System for gas, vapour, particulate filters
- + Optional supplied-air connection

#### Compatible with

- + Hearing Protection from 3M



3M™ 7907S Full Face Mask (Silicone)  
EN136 (Class 2)

### Accessories for 3M Full Face Masks



3M™ S-200 Regulator  
EN139:1994  
NPF 50 with half mask  
NPF 200 with full face mask  
CE Marked

## 3M™ FF-400 Ultimate FX Reusable Full Face Mask

3M's most rugged facepiece, designed to provide you flexibility in your X-treme working environments.

Engineered to deliver maximum comfort with a wide field of view, the FF-400 Ultimate FX respirator features a soft, silicone nose cup and a large lens that allows for superior peripheral vision.

It's also the only respirator with 3M's unique Scotchgard™ Protector, which helps the lens resist dirt, paint and stains, making it easier to clean. Plus, the 3M™ Cool Flow™ Exhalation Valve helps reduce heat and moisture buildup inside the facepiece.

### Features and Benefits:

#### Durable, Long-lasting Head Harness

- + Features a six-strap configuration for a secure fit
- + Harness straps pulled over one million times in durability testing

#### Comfort Cradle

- + Positions the respirator more comfortably on the head

#### Large Lens Featuring 3M™ Scotchgard™ Protector

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

#### Bonded Silicone Gaskets

- + Eliminates loose gaskets that can be lost

#### Easy to Use

- + Respirator attachments twist on and off easily for quick assembly and disassembly

#### Low Profile Bayonet Design

- + Helps improve balance and provides better weight distribution
- + Ideal for tight work environments

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

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

#### Select from two different valves to fit your application needs

#### Soft, Silicone Nose Cup and Faceseal

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



3M™ FF-400  
Ultimate FX Full Face Mask  
EN136

### Accessories for 3M™ FF-400



#### Comfort Cradle

- + Positions the respirator more comfortably on the head, reducing pressure points and hair pulling



#### 3M™ Scotchgard™ Semi-Permanent Lens Cover

- + Perimeter adhesive seals firmly to the lens, yet removes cleanly
- + Lasts longer than standard tear-aways



#### Exhalation Valve Covers

- + Standard exhalation valve cover allows for communication clarity
- + Also available solid exhalation valve cover helps protect exhalation valve from paints, stains and coatings and offers protection for heavy, dusty Lens with environments

