



# MOLDEX



# SELECTING THE CORRECT PROTECTION

General Information & Guidance

## RESPIRATORY SELECTION

## FOUR SIMPLE STEPS

Identify the Hazards  
dust, metal fume, gas, vapour



Assess the Hazards  
What is the exposure limit? What level of protection is needed? Is any other PPE required?



Selecting the Correct Respirator  
disposable, half mask, full face mask, powered or air fed.



Training in Fitting and Use  
Once the respirator has been correctly selected for the hazards, the application and individual wearer, it is essential to train the wearer in the correct fitting, use, maintenance and care of the respirator.

## RESPIRATORY HAZARD

## DESCRIPTIONS

DUSTS:	Produced when solid materials are broken down into finer particles. The smaller the dust, the greater the hazard.
MISTS:	Tiny liquid droplets that are formed from liquid materials by atomisation and condensation processes such as spraying.
METAL FUMES:	Created when metals are vaporised under high heat. The vapour is cooled quickly and condenses into extremely fine particles.
GASES:	Airborne at room temperature. Able to diffuse or spread freely and quickly. Often odourless and invisible.
VAPOURS:	Gaseous state of substances that are liquids or solids at room temperature. Formed when substances evaporate in the way water vapour evaporates from water.




## FIT TESTING

The COSHH Regulations and the associated Approved Code of Practice recommend that the initial selection of tight fitting facepieces should include a fit test. This is to ensure that the selected RPE has the potential to provide adequate protection for the wearer.

The performance of tight-fitting face pieces depends on achieving a good contact between the wearers skin and the face seal of the face piece. Inadequate fit will significantly reduce the protection provided. Any reduction in protection can put the wearers life in danger or may lead to immediate or long-term ill health.

For more information please contact Moldex on our Free Advice Line:  
0800 252 263



			
	FFP1	FFP2	FFP3
<b>WOODWORKING</b>			
Grinding and cutting by hand	●		
Grinding and cutting by machine		●	
Drilling		●	
Working with hard wood e.g. birch or oak			●
<b>METAL WORKING</b>			
Cutting, grinding and drilling		●	
Working with stainless steel and coated metals			●
Laser cutting			●
Welding stainless steel			●
<b>WORKING WITH PLASTIC</b>			
Cutting, grinding and drilling		●	
<b>WORKING WITH STONE</b>			
Cutting and drilling		●	
Cement and Quartz			●
<b>AGRICULTURE / MEDICAL</b>			
Water based sprays		●	
Contact with Bacteria / Mould		●	
Contact with Viruses			●
<b>AUTOMOTIVE</b>			
Grinding and polishing		●	
Replacing brake pads or clutch			●
<b>OTHER</b>			
Waste disposal / sorting			●
Allergies	●	●	

These recommendations are made on the basis of guidelines in respiratory protection and reflect the present legislation and knowledge. This information should only be used as a guide, it remains the responsibility of the user to identify all the contaminants and contaminant levels to ensure the correct protection is selected and worn at all times.

FFP	HAZARD TYPE	WEL
FFP1	Against non toxic dust, mists and fumes.	4
FFP2	Harmful and carcinogenic dusts, fumes and aerosols.	10
FFP3	Harmful and carcinogenic dusts, fumes and aerosols including radioactive particulates as well as airborne biological substances and enzymes.	20
D	Masks have passed the optional Dolomite clogging test. Better breathing resistance for longer	
NR	Single use. Comfortable and durable throughout the whole shift	
R	Reusable. Can be cleaned, disinfected and used for more than one shift	

# FFP MASKS

All Moldex FFP masks feature the ActiveForm® seal, DuraMesh® structure and optional Ventex®-valve



### ActivForm®

Automatically adjusts to different face shapes and their movements



### Ventex®-valve

Reduces moisture and heat, keeping the mask as cool as possible



### DuraMesh®

Strong and durable, reducing consumption and maintaining shape



## CLASSIC SERIES NEW FFP3



- FFP1 ■
- FFP2 ■
- FFP3 ■

- Strong & durable
- No need for nose clips
- Loop Strap for easy application
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat

Durable and comfortable, this dual purpose mask is ideally suited to most industrial applications. Available in FFP1, FFP2 and FFP3

EN149:2001 + A1:2009



*Available in Blue for the Food Industry [2405-85]*



*Available in blister packs, ideal for trade shops*

#### Boxed Packaging

Part No	Qty	Description
2360-15	20	FFP1 NR D non valved
2365-15	20	FFP1 NR D valved
2400-15	20	FFP2 NR D non valved
2405-15	20	FFP2 NR D valved
2405-85	20	FFP2 NR D valved. Blue for food industry
2555-01	20	FFP3 NR D valved

#### Blister Packaging

Part No	Qty	Description
2360-11	3	FFP1 NR D non valved
2400-11	3	FFP2 NR D non valved
2405-11	3	FFP2 NR D valved



## SMART



FFP1  
FFP2  
FFP3

- Strap and clip, hang the mask around the neck during breaks
- Nose seal increases fit and comfort
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat

Suited to most industrial applications this general purpose mask is strong and durable. The ActiveForm® seal automatically adjusts to different face shapes and movements to give a secure seal.

EN149:2001 + A1:2009

### Boxed Packaging

Part No	Qty	Description
2380-01	20	FFP1 NR D non valved
2385-01	20	FFP1 NR D valved
2480-01	20	FFP2 NR D non valved
2485-01	20	FFP2 NR D valved
2505-01	20	FFP3 NR D valved

## SMART SPECIAL



FFP2

- Nuisance organic gas relief
- Strap and clip, hang the mask around the neck during breaks
- Nose seal increases fit and comfort
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat

**2435 FFP2 NR D + Nuisance acid & organic gas relief**  
**2445 FFP2 NR D + Welding fumes and Ozone 10 x WEL**

The activated layer of charcoal built into this mask offers relief from low levels of gases and vapours, often found in conjunction with particulate hazards.

EN149:2001 + A1:2009

### Boxed Packaging

Part No	Qty	Description
2435-01	10	FFP2 NR D valved + Nuisance acid + organic gas relief
2445-01	10	FFP2 NR D valved + Welding fumes & Ozone 10 x WEL

## SMART POCKET **NEW FFP3**



- FFP1 
- FFP2 
- FFP3 



- Unfold & wear
- Individually & hygienically packaged
- Strap and clip, hang the mask around the neck during breaks
- Nose seal increases fit and comfort
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat

This foldable pocket mask has all the features of a traditional Moldex cup mask. Ideally suited to lighter industries, where the mask is carried between use or industries with hygiene implications.

EN149:2001 + A1:2009

### Boxed Packaging

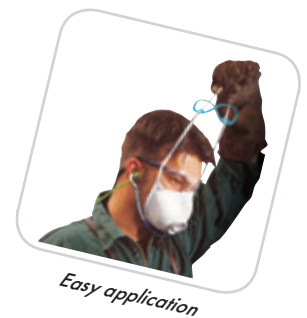
Part No	Qty	Description
2375-01	10	FFP1 NR D valved
2470-01	10	FFP2 NR D non valved
2475-01	10	FFP2 NR D valved
2575-01	10	FFP3 NR D valved

## SMART SOLO **TWO SIZES**



- FFP1 
- FFP2 

- Available in TWO sizes
- Easy application, even when wearing large gloves
- Nose seal increases fit and comfort
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat



*Easy application*

Even when wearing large gloves the single strap makes putting the mask on and taking it off, quick, simple and safe.

EN149:2001 + A1:2009

### Boxed Packaging

Part No	Qty	Description
2395-01	20	FFP1 NR D valved size M/L
2495-01	20	FFP2 NR D valved size M/L
2498-01	20	FFP2 NR D valved size S/M



## AIR SERIES non-valved **TWO SIZES**



### Boxed Packaging

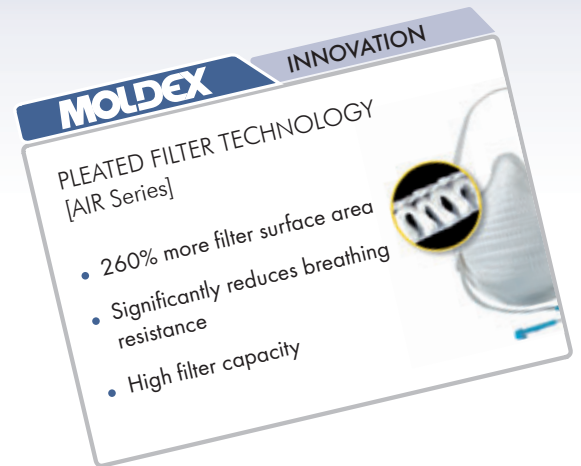
Part No	Qty	Description
3150-01	10	FFP2 NR D non valved size S/M
3100-01	10	FFP2 NR D non valved size M/L
3250-01	10	FFP3 NR D non valved size S/M
3200-01	10	FFP3 NR D non valved size M/L

FFP2   
FFP3 

- Available in TWO sizes
- Low breathing resistance
- Medically Approved
- Latex & PVC Free
- Individually bagged
- Nose seal increases fit and comfort
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes

Conforms to both the PPE directive EN149: 2001 and the Medical directive EN14683: 2005. In addition to providing respiratory protection for the wearer, these masks prevent particles (droplets) being expelled by the wearer, therefore protecting other people and the environment from contamination. Available in two sizes for optimum fit.

EN149:2001 + A1:2009



## AIR SERIES valved **TWO SIZES**



### Boxed Packaging

Part No	Qty	Description
3155-01	10	FFP2 NR D valved size S/M
3105-01	10	FFP2 NR D valved size M/L
3255-01	10	FFP3 NR D valved size S/M
3205-01	10	FFP3 NR D valved size M/L

FFP2   
FFP3 

- Available in TWO sizes
- Low breathing resistance
- Individually bagged
- Nose seal increases fit and comfort
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat

The uniquely developed Series 3000 Air from Moldex offers extremely low breathing resistance and therefore increased performance of both mask and wearer. The filtering surface is almost 3 times larger than a standard filter product, allowing you to breathe more easily.

EN149:2001 + A1:2009

## AIR Plus **REUSABLE**



FFP2  
FFP3

- Reusable
- Low breathing resistance
- Washable full face seal
- Adjustable strap and clip
- DuraMesh® for optimum shape retention and durability
- ActivForm® seal automatically adjusts to different face shapes
- Ventex®-valve reduces moisture and heat



The washable full face seal and unique pleated filter technology gives you the option of using these masks for more than one shift.

EN149:2001 + A1:2009

### Boxed Packaging

Part No	Qty	Description
3305-01	5	FFP2 R D valved
3405-01	5	FFP3 R D valved

IMPORTANT

INFORMATION

**NEW FIT TEST CD AVAILABLE**

For a FREE copy contact Moldex on:  
0800 252 263 or email: [info@uk.moldex-europe.com](mailto:info@uk.moldex-europe.com)

## FIT TESTING KIT



There are two main reasons for doing Bitrex testing. Firstly to make sure that the respirator itself is suited for the wearers particular face shape. Secondly to make sure that the respirator is fitted correctly to get a tight seal and ensure safety against hazards in the workplace. It is important to remember it is the suitability of the respirator that is being tested.

Each kit is suitable for carrying out multiple tests and come packaged in their own sturdy case, all kits come with a FREE Fit Test CD, to help employers understand more about Fit Testing, the requirements and how to carry out tests.

### Fit Testing Kit Contains

- 1x Hood, 1x Bitrex Sensitivity Solution,
- 1x Bitrex Test Solution, 2 x Nebulisers,
- 1x Fit test instruction CD

### Boxed Packaging

Part No	Qty	Description
10301	1	Fit Test Kit
50301	10	Bitrex™ Sensitivity Solution
50401	10	Bitrex™ Test Solution



	Product code	Ventex®-valve	Protection level EN149:2001 + A1:2009	Protection level EN14683:2005	units / box	units / outer case	
	<b>CLASSIC SERIES</b>						
	2360		FFP1 NR D		20	240	
	2365	•	FFP1 NR D		20	240	
	2400		FFP2 NR D		20	240	
	2405	•	FFP2 NR D		20	240	
	2555	•	FFP3 NR D		20	240	
	<b>SMART SERIES</b>						
	<b>SMART</b>						
	2380		FFP1 NR D		20	240	
	2385	•	FFP1 NR D		20	240	
	2480		FFP2 NR D		20	240	
	2485	•	FFP2 NR D		20	240	
	2505	•	FFP3 NR D		10	120	
	+ gases < WEL* + ozone	2435	•	FFP2 NR D		10	120
		2445	•	FFP2 NR D		10	120
		<b>SMART POCKET</b>					
2375		•	FFP1 NR D		10	120	
2470			FFP2 NR D		10	120	
2475		•	FFP2 NR D		10	120	
2575		•	FFP3 NR D		10	120	
	<b>SMART SOLO</b>						
	2395	•	FFP1 NR D		20	240	
	2495	•	FFP2 NR D		20	240	
	<b>S</b> 2498	•	FFP2 NR D		20	240	
	<b>AIR SERIES</b>						
	<b>AIR</b>						
	3100		FFP2 NR D	Type IIR	10	120	
	3105	•	FFP2 NR D		10	120	
	<b>S</b> 3150		FFP2 NR D	Type IIR	10	120	
	<b>S</b> 3155	•	FFP2 NR D		10	120	
	3200		FFP3 NR D	Type IIR	10	120	
	3205	•	FFP3 NR D		10	120	
	<b>S</b> 3250		FFP3 NR D	Type IIR	10	120	
	<b>S</b> 3255	•	FFP3 NR D		10	120	
	<b>AIR PLUS</b>						
	3305	•	FFP2 R D		5	60	
	3405	•	FFP3 R D		5	60	

\*WEL: Workplace exposure limit

**NR [non reusable]:** Disposable. Comfortable and durable throughout the whole shift.

**R [Reusable]:** Faceseal can be cleaned and disinfected and used for more than one shift.

**D:** These masks have passed the optional Dolomite clogging test. Better breathing resistance for longer.

**S** small size

# FULL FACE MASK

Series 9000

## Series 9000



- Lightweight
- Excellent Periphery Vision
- Panoramic lens
- Easy to clean
- Easy to maintain
- Class 2
- Use with EASYLOCK FILTERS

Extremely lightweight with excellent periphery vision. The lens is made from scratch resistant polycarbonate and is easy to clean thanks to the hydrophobic coating. Use with Moldex EASYLOCK Filter system that requires no additional clips or holders.

### Boxed Packaging

Part No	Qty	Description
9001	1	Mask body size small, plus 1 x faceshield
9002	1	Mask body size medium, plus 1 x faceshield
9003	1	Mask body size large, plus 1 x faceshield

## Series 9000 Pre-assembled Mask **NEW**



- Lightweight
- Excellent Periphery Vision
- Panoramic lens
- Easy to clean
- Easy to maintain
- Class 2
- Complete with ABEK1 P3 R filters



*Packaged in aluminium bag*

Pre-assembled Full Face Mask, size medium with ABEK1 P3 R filters. Packaged in an aluminium bag for increased expiry date.

Extremely lightweight, the mask body is made from hypoallergenic material which is gentle on the skin. Low profile design for excellent field of vision. Easy accessible components for cleaning and maintenance.

### Boxed Packaging

Part No	Qty	Description
9432	1	1 x Mask body size medium (9002) 1 x Pair pre-assembled ABEK1 P3 R filters (9430) 1 x Faceshield



## Series 7000 Reusable half mask



- Lightweight
- Mask body is gentle to skin
- Easy to clean
- Easy to maintain
- Low profile design for excellent field of vision
- Use with EASYLOCK FILTERS

Extremely lightweight, the mask body is made from hypoallergenic material which is gentle on the skin. Low profile design for excellent field of vision. Easy accessible components for cleaning and maintenance. Use with Moldex EASYLOCK Filters system that requires no additional clips or holders.

### Boxed Packaging

Part No	Qty	Description
7001	1	Mask body size small
7002	1	Mask body size medium
7003	1	Mask body size large

## Series 7000 Pre-assembled mask NEW



- Lightweight
- Mask body is gentle to skin
- Easy to clean
- Easy to maintain
- Low profile design for excellent field of vision
- Complete with either A2 P3 R filters [7232] or ABEK1 P3 filters [7432]



*Supplied in a resealable box*

Pre-assembled Half Mask, size medium with either A2 P3 R filters [7232] or ABEK1 P3 R filters [7432]. Packaged in a resealable plastic container.

Extremely lightweight, the mask body is made from hypoallergenic material which is gentle on the skin. Low profile design for excellent field of vision. Easy accessible components for cleaning and maintenance. Use with Moldex EASYLOCK Filters system that requires no additional clips or holders.

### Boxed Packaging

Part No	Qty	Description
7232	1	1 x Mask body size medium (7002) 1 x Pair pre-assembled A2 P3 R filters (9230)
7432	1	1 x Mask body size medium (7002) 1 x Pair pre-assembled ABEK1 P3 R filters (9430)

# EASYLOCK FILTERS

No additional parts needed

**MOLDEX** INNOVATION  
**REVOLUTIONARY DESIGN**  
**NO ADDITIONAL PARTS NEEDED**  
 EasyLock® particulate filters can either be connected with the EasyLock® gas cartridges or directly with the mask body. Adapters or particulate pre-filters are not necessary

## EASYLOCK® FILTERS



- Revolutionary filter system
- No need for additional clips or holders
- Different gas and particulate filters can be combined.

EasyLock® particulate filters can either be connected to the EasyLock® gas cartridges or directly with the mask body. Any combination of filters possible, simply click together, there is no need for additional clips or filter holders.

### EASYLOCK® Particulate Filters



**Boxed Packaging**

Part No	Qty	Description
9010-01	10 pairs	P1 R Non toxic dusts, mists & fumes based on water & oil.
9020-01	10 pairs	P2 R Harmful & carcinogenic dusts, fumes and aerosols based on water & oil.
9030-01	6 pairs	P3 R As P2 + radioactive particles as well as airborne biological substances and enzymes based on water & oil.

### EASYLOCK® Ozone Filters



**Boxed Packaging**

Part No	Qty	Description
9022-01	6 pairs	P2 R + Ozone Harmful & carcinogenic dusts, fumes and aerosols based on water & oil. Plus Ozone
9032-01	6 pairs	P3 R + Ozone As P2 + radioactive particles as well as airborne biological substances and enzymes based on water & oil. Plus Ozone

### EASYLOCK® Gas Filters



**Boxed Packaging**

Part No	Qty	Description
9100-01	5 pairs	A1 organic gas [Bp>65°C], 1000ppm
9200-01	4 pairs	A2 organic gas [Bp>65°C], 5000ppm
9300-01	5 pairs	ABE1 organic, inorganic and acid gases [Bp>65°C]
9400-01	5 pairs	ABEK1 organic, inorganic, ammonia and acid gases [Bp>65°C]
9500-01	4 pairs	A2B2E1 organic, inorganic [Bp>65°C] and acid gases

### EASYLOCK® Specialised Gas Filters



**Boxed Packaging**

Part No	Qty	Description
9600-01	4 pairs	AX organic gas [Bp<65°C]. <i>Single use filter</i>
9730-01	3 pairs	ABEK1 Hg P3 R D organic, inorganic, ammonia and acid gases [Bp>65°C] plus mercury and P3 particulate. <i>50 hours maximum use against mercury</i>

### EASYLOCK® Pre-assembled Filters



**Boxed Packaging**

Part No	Qty	Description
9120-01	4 pairs	A1P2 R Pre-assembled gas & particulate filter
9230-01	3 pairs	A2P3 R Pre-assembled gas & particulate filter
9430-01	3 pairs	ABEK1P3 R Pre-assembled gas & particulate filter

### EASYLOCK® Pre-assembled Filters in Blister Pack



**Boxed Packaging**

Part No	Qty	Description
9230-11	1 pair	A2P3 R Pre-assembled gas & particulate filter
9430-11	1 pair	ABEK1P3 R Pre-assembled gas & particulate filter

## Accessories for the 7000 & 9000 Series

**Boxed Packaging**

Part No	Qty	Description
7972-01	5 units	Head harness for 7000 Series
9973-01	1 unit	Diaphragm kit 4 exhalation & 16 inhalation valves
9974-01	20 units	Gaskets for EasyLock® connectors (Art 9001, 9002 & 9003)
9992-01	5 units	Head harness for 9000 Series
9993-01	15 units	Faceshield protector for 9000 Series
9998-01	1 unit	Spectacle kit for 9000 Series



9977-01	1 unit	Portacount Cartridge for 7000 + 9000 Series
9994-01	1 unit	Canvas bag for 4000, 5000, 8000, 7000 + 9000 Series
8093-01	1 unit	Resealable plastic container for 4000, 5000, 8000 + 7000 Series



Pre-assembled Blister Pack



## Series 5000 Disposable half mask



- Maintenance Free
- Particulate filters can be replaced
- Lightweight
- Low profile design for excellent field of vision



*Particulate filters can be replaced when clogged for prolonged use of the mask*

The 5000 Series Half Masks have integral gas filters, making the mask disposable and exempt from the maintenance requirements of COSHH if disposed of within one month or when breakthrough occurs (whichever comes first). When particulate filters get clogged they can be replaced for prolonged use of the mask. See page 14 for replacements particulate filters.

### Boxed Packaging

Part No	Qty	Description
5104	1	FFA1 size M/L. Organic gas [Bp>65°C]
5164	1	FFA1 P1 R D size M/L. Organic gas [Bp>65°C], P1 particulate
5174	1	FFA1 P2 R D size M/L. Organic gas [Bp>65°C], P2 particulate
5504	1	FFA2 size M/L. Organic gas [Bp>65°C]
5901	1	FFABEK1 size S. Organic, inorganic [Bp>65°C], acid, & ammonia gases
5904	1	FFABEK1 size M/L. Organic, inorganic [Bp>65°C], acid, & ammonia gases
5984	1	FFABEK1 P3 R D size M/L. Organic, inorganic [Bp>65°C], acid, & ammonia gases, P3 particulates
5584	1	FFA2 P3 R D size M/L. Organic gas [Bp>65°C], P3 particulates

## Series 8000 Reusable half mask



- Mask body is gentle to skin
- Safe comfortable fit
- Few and easily replaceable parts
- Easy maintenance and cleaning
- Low profile design for excellent field of vision

Reusable Half Masks offering minimum maintenance and maximum protection. Few and easily replaceable parts for simpler and less maintenance. Different gas and particulate filters can be combined. Extremely comfortable, the mask body is made from hypoallergenic material which is gentle on the skin.

All parts can be purchased individually to allow you to combine different gas and particulate filters, see page 14.

### Boxed Packaging

Part No	Qty	Description
8001	1	Mask body size small
8002	1	Mask body size medium
8003	1	Mask body size large

# HALF MASK

Series 8000

## Series 8000 Pre-assembled mask



- Mask body is gentle to skin
- Safe comfortable fit
- Few and easily replaceable parts
- Easy maintenance and cleaning
- Low profile design for excellent field of vision

Reusable Half Masks offering minimum maintenance and maximum protection. Few and easily replaceable parts for simpler and less maintenance. Extremely comfortable, the mask body is made from hypoallergenic material which is gentle on the skin.

All parts can be purchased individually to allow you to combine different gas and particulate filters, see page 14

Available pre-assembled in a selection of protection levels.

### Boxed Packaging

Part No	Qty	Description
8102	1	A1 size M 1 x Mask body size M (8002) + 1 x pair A1 gas filters [8100]
8172	1	A1 P2 R D size M 1 x Mask body size M (8002) + 1 x pair A1 gas filters [8100] + 1 x pair P2 particulate filters [8070] + 1 x Pair filter holders
8902	1	ABEK1 size M 1 x Mask body size M [8002] + 1 x Pair ABEK1 gas filters [8900]
8082	1	P3 R D size M 1 x Mask body size M [8002] + 1 x Pair P3 particulate filters [8080] + 1 x Pair filter holders

### Blister Packaging

Part No	Qty	Description
8982-25	1	ABEK1 P3 R D size M 1 x Mask body size M [8002] + 1 x Pair ABEK1 gas filters [8900] + 1 x pair P3 particulate filters [8080] + 1 x Pair filter holders
8983-25	1	ABEK1 P3 R D size L 1 x Mask body size L [8003] + 1 x Pair ABEK1 gas filters [8900] + 1 x pair P3 particulate filters [8080] + 1 x Pair filter holders

### Resealable Packaging

Part No	Qty	Description
8572-01	1	A2 P2 R D size M 1 x Mask body size M (8002) + 1 x Pair A2 gas filters [8500] + 1 x pair P2 particulate filters [8070] + 1 x Pair filter holders



Available in blister pack [8982-25, 8983-25]



Available in resealable box [8572]

## Maintenance and Storage for the Series 5000 & 8000



### 8091 Service Kit

1 exhalation valve & 1 head strap



### 8093 Storage box

Resealable plastic container



## RADIAL FILTERS

Pleated Filter Technology: significantly reduces breathing resistance, improves wearer comfort & reduces fatigue



..... New inhalation valve with every cartridge

### Particulate Filters



Boxed Packaging		
Part No	Qty	Description
8060-01	6 pairs	P1 R D Non toxic dusts, mists & fumes based on water & oil.
8070-01	4 pairs	P2 R D Harmful & carcinogenic dusts, fumes and aerosols based on water & oil.
8080-01	4 pairs	P3 R D As P2 + radioactive particles as well as airborne biological substances and enzymes based on water & oil.

### Gas Filters



Boxed Packaging		
Part No	Qty	Description
8100-01	5 pairs	A1 organic gas [Bp>65°C], 1000ppm
8500-01	5 pairs	A2 organic gas [Bp>65°C], 5000ppm
8200-01	5 pairs	ABE1 organic, inorganic and acid gases [Bp>65°C]
8900-01	5 pairs	ABEK1 organic, inorganic, ammonia and acid gases [Bp>65°C]

### Particulate Filter Holders



**8095**  
Connects particulate protection directly to mask body












**8090**  
Connects particulate protection onto gas filter

Moldex 8000 Series Gas Filters connect directly to the mask body without an adapter

# GOOD TO KNOW

Protection levels gas and particulate filters / FFP masks

	Color	Hazard type	Examples	Maximum use level
<b>GAS FILTERS</b>				
A1		Organic gases and vapours, boiling point > 65°C	Working with solvents created by varnish, paints and adhesives	10 x WEL [half mask] 20 x WEL [full face masks] or 1000 ppm whichever is lower
A2		As A1	As A1 but to higher concentrations	10 x WEL [half mask] 20 x WEL [full face masks] or 5000 ppm whichever is lower
A1B1E1		As A1 + inorganic gases and vapours + acid gases	As A1 + working with chlorine, bromine, hydrogen cyanide, hydrogen sulphide, hydrochloric acid and other acid gases	10 x WEL [half mask] 20 x WEL [full face masks] or 1000 ppm whichever is lower
A1B1E1K1		As A1B1E1 + ammonia	As A1B1E1 + working with ammonia	10 x WEL [half mask] 20 x WEL [full face masks] or 1000 ppm whichever is lower
A2B2E1		As A1B1E1	As A1B1E1 but to higher concentrations	10 x WEL [half mask] 20 x WEL [full face masks] or 5000 ppm [A+B], 1000 ppm [E] whichever is lower
AX		Organic vapours, boiling point < 65°C	Working with low-boiling vapours e.g. acetone, dichloromethane	For single use only. National legislation may limit maximum usage levels. Please contact Moldex for details

	Color	Hazard type	Examples	Maximum use level
<b>PARTICULATE FILTERS / FFP MASKS</b>				
P1 / FFP1		Non toxic dusts, mists and fumes based on water and oil <sup>1</sup>	Working with non toxic dusts, mists and fumes	4 x WEL [FFP masks and half mask] 4 x WEL [full face masks]
P2 / FFP2		Harmful and carcinogenic dusts, fumes and aerosols based on water and oil <sup>2</sup>	Working with soft wood, glass fibres, metal and plastics [besides PVC] and oil mists	10 x WEL [FFP masks and half mask] 10 x WEL [full face masks]
P3 / FFP3		Harmful and carcinogenic dusts, fumes and aerosols based on water and oil <sup>3</sup>	Working with highly toxic metals, hard wood, radioactive and biochemical active substances as well as oil mists and welding of stainless steel	20 x WEL [FFP masks and half mask] 40 x WEL [full face masks]

**R** > reusable - the filter can be used for more than one shift

**D** > filters have passed the optional dolomite test, better breathing resistance for longer

<sup>1</sup> > not against carcinogenic and radioactive materials, not against airborne biological substances and enzymes

<sup>2</sup> > not against radioactive particulates, not against viruses and enzymes

<sup>3</sup> > against radioactive particulates as well as airborne biological substances and enzymes





## How we hear sound

- Sound waves are channelled towards the ear drum causing it to vibrate.
- In the inner ear the vibrations are detected by tiny hair cells triggering a nerve impulse. The brain interprets this as sound.

## Exposure to high levels of noise greater than 80dB will result in damage to your hearing

- Short Term Exposure - may cause temporary mild deafness.
- Long Term Exposure - may result in damage to the hair cells in the ear causing permanent hearing loss.
- Intense Impulse Noise - may rupture the eardrum or damage the ear bones.

## Noise-induced hearing loss

This happens when you have been regularly exposed to damaging levels of noise over a long period of time. The hearing loss will be similar in each ear and will get worse if you continue to be exposed to the noise. Sometimes, you will not notice the effect on your hearing until years after you were exposed to the noise.

## Tinnitus - caused by noise

Sometimes, tinnitus is the first sign that your ear has been damaged by noise. You may get tinnitus before you notice any effect on your hearing. The tinnitus can occur suddenly or very gradually. For some people, it can be temporary, but continued exposure to loud noise may make it permanent.

Jet engine	140dB
Rivetting Hammer	130dB
Car Horn	120dB
Pop Concert	110dB
Plate Fabrication Shop	100dB
Milling Machine	85dB
Traffic Noise	80dB
Conversational Speech	70dB
Office	60dB

## Noise and the Law

The Noise Regulations require you to take specific action at certain action values. These relate to:

- The levels of exposure to noise of your employees averaged over a working day or week; and
- The maximum noise (peak sound pressure) to which employees are exposed in a working day.

The values are:

**Lower exposure action values:**

- Daily or weekly exposure of 80dB
- Peak sound pressure of 135dB

**Lower exposure requirements:**  
Hearing protection must be available on request

**Upper exposure action values**

- Daily or weekly exposure of 85dB
- Peak sound pressure of 137dB

**Upper exposure requirements**  
The provision and wearing of hearing protection is mandatory

**Exposure limit values:**

- Daily or weekly exposure of 87dB
- Peak sound pressure of 140dB

**Exposure limit requirements**  
This level should not be exceeded at the ear when wearing hearing protection.

There does not seem to be a big difference between the Lower and Upper exposure action levels, just 5dB but this is quite a significant difference. Every 3dB the noise doubles in intensity. Therefore 85dB is more than 2 times as intense as 80dB and 100dB almost 6 times as intense.

## SNR - Single Number Rating

The SNR provides an estimate of the average, overall protection a product will give in a noisy environment. For example if your working environment is about 115dB using hearing protection like the Moldex Spark Plugs with an SNR of 35 will reduce the noise for the wearer to about 80dB, below the legal requirement. The hearing protection provided should give enough protection - aim at least to get below 85dB at the ear. It can be as important to not over protect as this can prevent the wearer from hearing communications and important warning signals, try not to reduce to below 75dB at the ear.

# EARPLUGS [DISPOSABLE]

Comfortable PU foam earplugs suited to protect against long-term exposure.  
Soft material that is easy to insert.

**NEW**

## Contours

SNR  
**35**  
dB

- Available in TWO sizes
- Cost effective alternative to moulded earplugs
- 99% of people should find a fit



**TWO SIZES**

The size and shape of ear canals can vary dramatically from person to person, for this reason the Contours are available in two sizes. The slim waist of the new earplug reduces unpleasant pressure in the first bend of the ear canal and increases the flexibility of the earplug, making these plugs extremely comfortable to wear.

### Boxed Packaging

Part No	Qty	Description
7400-01	200 pairs	Contours, size: standard SNR 35
7403-01	200 pairs	Contours, size: small SNR 35

## Spark Plugs

SNR  
**35**  
dB

- Soft material
- Easy to insert
- Colourful & appealing



7800 Spark Plugs



7801 Spark Plugs Corded



7802 Spark Plugs PocketPak  
2 pairs per PocketPak



7812 Spark Plugs Blister  
5 pairs + 1 PocketPak

### Boxed Packaging

Part No	Qty	Description
7800-01	200 pairs	Spark Plugs SNR 35
7801-01	200 pairs	Spark Plugs Corded SNR 35

### Boxed Packaging

Part No	Qty	Description
7802-01	100 PocketPaks	Spark Plugs PocketPak SNR 35, 2 pairs per PocketPak
7812-01	20 Blister Packs	Spark Plugs Blister SNR 35, 5 Pairs + 1 PocketPak

## Pura-Fit

SNR  
**36**  
dB

- Protection against **higher** noise levels
- Soft material
- Easy to insert



7700 Pura-Fit



6900 Pura-Fit Corded

### Boxed Packaging

Part No	Qty	Description
7700-01	200 pairs	Pura-Fit SNR 36
6900-01	200 pairs	Pura-Fit Corded SNR 36

## Mellows

SNR  
**22**  
dB

- Protection against **lower** noise levels
- Keeps you in touch with your environment



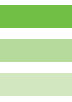
7600 Mellows

### Boxed Packaging

Part No	Qty	Description
7600-01	200 pairs	MelLows SNR 22

# EARPLUGS [DISPOSABLE]

Comfortable PU foam earplugs suited to protect against long-term exposure.  
Soft material that is easy to insert.



## Spark Plugs Detect

SNR  
**32**  
dB

- Soft material
- Easy to insert
- Blue for the food industry
- Detectable in the plug and the cord



**FULLY DETECTABLE**

To ensure the Spark Plugs Detect are fully detectable metal is embedded into the plug and the cord

### Boxed Packaging

Part No	Qty	Description
7809-01	200 pairs	Spark Plugs Detect SNR 32

## MoldexStations

Made from recyclable material and with only 2% wastage the dispenser puts protection at the center of the workforce. Plugs remain hygienic as the dispenser mechanism is automatically replaced with every refill. Available for all Moldex uncorded disposable earplugs: MellLows, Pura-Fit, Spark Plugs, Spark Detects (uncorded), Contours in size standard, Contours in size small.

**NEW**



SNR  
**35**  
dB

### Contours

- 7450 Contours, size: standard SNR 35 large station. 500 pairs
- 7453 Contours, size: small SNR 35 large station. 500 pairs



SNR  
**35**  
dB

### Spark Plugs

- 7825 Spark Plugs SNR 35 small station. 250 pairs
- 7850 Spark Plugs SNR 35 large station. 500 pairs



SNR  
**36**  
dB

### Pura-Fit

- 7725 Pura-Fit SNR 36 small station. 250 pairs
- 7750 Pura-Fit SNR 36 large station. 500 pairs



SNR  
**22**  
dB

### MellLows

- 7625 MellLows SNR 22 small station. 250 pairs
- 7650 MellLows SNR 22 large station. 500 pairs



SNR  
**32**  
dB

**FULLY DETECTABLE**

### Spark Plugs Detect

- 7829 Spark Detect SNR 32 small station. 250 pairs
- 7859 Spark Detect SNR 32 large station. 500 pairs



### Mounting bracket

- 7060 Mounting bracket sold separately

# EARPLUGS [REUSABLE]

Suited to protect against long term exposure.  
Washable and reusable.

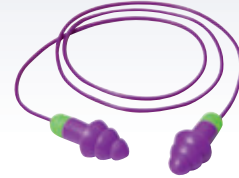
## Rockets



- Reusable
- Washable
- Easy to insert



6400 Rockets



6401 Rockets Cord

Made of soft material which is gentle on the skin. The Rockets come in a handy storage container to keep the plugs hygienic between use. Easy insertion due to the solid handle.

### Boxed Packaging

Part No	Qty	Description
6400-01	50 pairs	Rockets SNR 30
6401-01	50 pairs	Rockets Cord SNR 30

## Rockets Full Detect



**FULLY DETECTABLE**

- Metal is embedded into the plug and the cord to ensure the earplugs are fully detectable
- Made of soft, TPE material which is gentle on the skin
- Solid handle ensures easy insertions and removal
- Washable and reusable



6409 Rockets Detect

Metal is embedded into the plugs and the cord to ensure the earplugs are fully detectable. Suited to protect against long term exposure. Washable and reusable.

### Boxed Packaging

Part No	Qty	Description
6409-01	50 pairs	Rockets Detect SNR 27

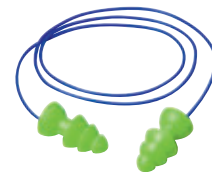
## Comets



- Protection against **lower** noise levels
- Keeps you in touch with your environment
- Reusable
- Washable
- Easy to insert



6420 Comets



6421 Comets Cord

For protection against lower noise levels, the Comets are made of soft material which is gentle on the skin and come in a handy storage container to keep the plugs hygienic between use.

### Boxed Packaging

Part No	Qty	Description
6420-01	50 pairs	Comets SNR 25
6421-01	50 pairs	Comets Cord SNR 25



All reusable earplugs come with PocketPak storage container

**MOLDEX** INNOVATION

HIGH WEARER COMFORT

- ..... Air-cushioned tip
- ..... Soft flexible design
- ..... Solid handle ensures easy insertion & removal [Rockets]

# BANDED EARPLUGS

The cost effective and convenient option against intermittent noise throughout the day

**NEW**

## WaveBand 2K

SNR  
**27**  
dB

- Extremely lightweight - only 12g
- Band pressure only 1.2 N for high level of comfort
- Dual material design
- No contact points - no annoying contact noise



6825 Replacement pods

The Waveband puts very little pressure on the ear so these bands can be worn for longer periods of time. Comfortably worn under the chin, the sleek wave design allows the band to float, keeping it away from the wearer's body and clothing creating freedom of movement and eliminating the problem of noise transmission completely. Replacement pods available.

**Boxed Packaging**

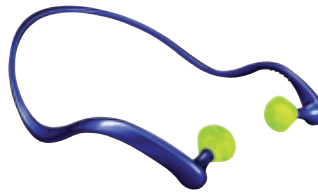
Part No	Qty	Description
6800-01	8 units	WaveBand 2K SNR 27
6825-01	50 pairs	Replacement pods

**NEW**

## WaveBand 1K

SNR  
**27**  
dB

- Extremely lightweight - only 12g
- Band pressure only 1.2 N for high level of comfort
- No contact points - no annoying contact noise



6825 Replacement pods

The Waveband puts very little pressure on the ear so these bands can be worn for longer periods of time. Comfortably worn under the chin, the sleek wave design allows the band to float, keeping it away from the wearer's body and clothing creating freedom of movement and eliminating the problem of noise transmission completely. Replacement pods available.

**Boxed Packaging**

Part No	Qty	Description
6810-01	8 units	WaveBand 1K SNR 27
6825-01	50 pairs	Replacement pods

**NEW DESIGN**

## Jazz-Band 2

SNR  
**23**  
dB

- Neck cord with safety release mechanism
- Comes with spare pair of pods



6825 Replacement pods

Dual material technology reduces noise transmission. The neck cord allows the band to sit around the neck when not in use and has a safety release mechanism. New design reduces band pressure by 40%. Replacement pods available.

**Boxed Packaging**

Part No	Qty	Description
6700-02	8 units	Jazz-Band 2 SNR 23
6825-01	50 pairs	Replacement pods

## Pura-Band

SNR  
**22**  
dB

- Washable pods made of soft thermoplastic

The cost effective and convenient option against intermittent noise throughout the day.



**Boxed Packaging**

Part No	Qty	Description
6600-01	10 units	Pura-Band SNR 22

# EARMUFFS

Ideal to protect from intermittent noise or for people who cannot achieve a safe and comfortable fit with earplugs.

## M1



- Soft coated material with exclusive metallic colour
- Six adjustment points
- Padded steel headband, comfortable and robust
- Folds into compact size for easier storage and hygiene



The **M1** can be folded into a compact size for easier storage and hygiene

Ideal to protect against intermittent noise or for those who cannot achieve a safe and comfortable fit with earplugs.

### Boxed Packaging

Part No	Qty	Description
6100-01	1 unit	M1 Earmuffs SNR 31

## M2



- Soft coated material with exclusive metallic colour
- Quick and easy fitting and alignment
- Wide range of cup adjustments
- Can be worn with head protection



The **M2** can also be worn behind the neck

Ideal to protect from intermittent noise or for people who cannot achieve a safe and comfortable fit with earplugs. Moulded cup grips make fitting and alignment quick and easy. Wide range of cup adjustment gives excellent pressure distribution for all sizes. Can be worn with head protection.

### Boxed Packaging

Part No	Qty	Description
6200-01	1 unit	M2 Earmuffs SNR 27-30

## Z2



- Moulded cup grips make fitting and alignment quick and easy
- Price-optimised alternative for M2



Ideal to protect from intermittent noise or for people who cannot achieve a safe and comfortable fit with earplugs. Price-optimised alternative to M2.

### Boxed Packaging

Part No	Qty	Description
6220-01	1 unit	Z2 Earmuffs SNR 28

## Hygiene Kit

- We suggest replacement at 6 monthly intervals

### Boxed Packaging

Part No	Qty	Description
6105-01	1 unit	Hygiene Kit

