2. Occupational safety / Security Breathing protection/Hygiene masks-Half masks

1 Surgical face masks, "Eco elastic bands"

- soft, non-irritating, elastic bands
- three-ply, non-fibre-glass, filter material
- integral nose bridge
- bacterial filtration efficiency 98%
- EN 14683 CE

| Colour | PK | Cat. No. |
|--------|----|-----------|
| white | 50 | 9.405 160 |
| green | 50 | 9.405 161 |
| blue | 50 | 9.405 162 |



2 Surgical face masks "Eco bands"

- tear-resistant, bands
- three-ply, non-fibre-glass filter material
- integral nose bridge
- bacterial filtration efficiency 98%
- EN 14683, CE

| Colour | PK | Cat. No. |
|--------|----|-----------|
| | | |
| white | 50 | 9.405 165 |



3 Surgical mask

Made of lightweight, close-fitting rayon fabric. Superb, non-allergenic material. Hardly noticeable: close, safe fit, even over facial hair. 50% increase in air permeability - constant, high filter performance (99.7 %), which is not affected by inhaled dust or dampness of the material. Liquid repellent.

3M Deutschland

| | | 4 |
|---|----------|---|
| K | Cat. No. | |
| | | - |





4 Surgical masks

Closely fit both male and female face contours, leaving adequate room for breathing and speaking - without restricting mouth contact or impairing the excellent filtration characteristics. With practical, elastic rubber headband for quick fitting, removal or moving to side. Not suitable for those with facial hair. Liquid repellent, enhancing safety.

3M Deutschland



| Туре | PK | Cat. No. |
|----------------|----|-----------|
| Surgical masks | 50 | 9.405 101 |

5 6 Filtering facepiece Mandil

DIN EN 149:2009. Filtering half masks of the mandil range stand out owing to their low EKASTU Safety weight, innovative precast, low breathing resistance and high level of comfort (available with or without Cool Down exhalation valves). The innovative Cool Down valve is a one-way valve that offers easy exhalation for cool, dry comfort. The foamlined nose area with flexible nose clip enables the mask to fit tightly yet comfortably on the skin.



- protection against fine inert particles up to 4.5 times the NPF value

Filtering facepiece Mandil FFP1 Filtering facepiece Mandil FFP2

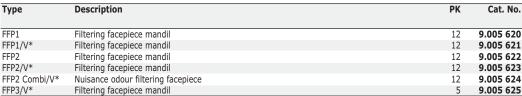
- protection against slightly toxic and harmful particles up to 12.5 times the NPF value

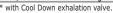
Nuisance odour filtering facepiece Mandil FFP2/Combi/V

- protection against slightly toxic and harmful particles as well as unpleasant organic odours up to 12.5 times the NPF value
- activated charcoal layer included

Filtering facepiece Mandil FFP3/V

- protection against toxic and highly toxic particles up to 30 times the NPF value
- wide cotton coated inner sealing lip and adjustable harness













2. Occupational safety / Security

Breathing protection/Half masks



1 Respirator Comfort, 9300 series

Ultra soft, flexible and comfortable fit resulting from the 3 panel design which also reduces the risk of eyewear misting. Individually packed, hygenically sealed.

3M Deutschland

Authorization: EU construction test (CE mark)
Testing standards: EN 149:2001 + A1:2009

| Туре | Description | Protection- level | Usage restrictions | PK | Cat. No. |
|------|----------------------|----------------------|--------------------|----|-----------|
| | | | | | |
| 9310 | without valve | FFP1 | 4 x OEL | 20 | 6.203 056 |
| 9312 | with Cool-Flow valve | FFP1 | 4 x OEL | 10 | 7.510 646 |
| 9320 | without valve | FFP2 | 12 x OEL | 20 | 6.203 193 |
| 9322 | with Cool-Flow valve | FFP2 | 12 x OEL | 10 | 7.510 648 |
| 9332 | with Cool-Flow valve | FFP3 | 50 x OEL | 10 | 6.202 321 |



2 Premium Fine dust mask

Robust and durable design. Adjustable braided headbands and soft inner face-seal improve fit and comfort. With Cool-Flow valve.

3M Deutschland

Type 8825: 12 x OEL against particles

Typ 8835: 50 x OEL against solid and liquid aerosols, poisonous dust, fog and smoke

Authorization: EU construction test (CE mark)

Testing standards: EN 149:2001

| Туре | Protection- level | Jsage restrictions | PK | Cat. No. |
|------------|----------------------|--------------------|----|-----------|
| 8825 | FFP2D | 2 x OEL | 5 | 9.005 456 |
| 8835 Large | FFP3D | 0 x OEL | 5 | 9.005 458 |

Fine dust mask silv-Air



Uvex

FFP 2 - foldable, respiratory, half-mask for ultimate safety.

Compatible with uvex safety eyeshieds as a unit in terms of safety and acceptance.

- foldable shape with V-shape-seam for perfect adaption to the facial structure
- protection against contaminates up to $10 \times OEL$
- innovative shape-optimized design completely metal free
- highest safety (certified according EN149 safety-level FFP2)
- anatomical design and soft material edges avoid bruising
- easy to differentiate by coloured marking (orange FFP2)
- compatible with safety spectacles because of the optimized nose-area
- seamless, continuous headband for comfortable and secure mask fit

| Туре | Description | PK Cat. No. |
|-------------------------|--------------------------|-----------------------|
| silv-Air 8202 FFP 2 | without exhalation valve | 20 9.005 463 3 |
| silv-Air pro 8212 FFP 2 | with exhalation valve | 15 9.005 462 4 |





9.005 462

Fine Dust Filtering Half Mask silv-Air

Fine Dust Filtering Half-Masks

- highest safety (certified according EN149 Fine dust filter masks)
- anatomical design and soft material-edges avoid bruising to the face
- compatible with safety spectacles because of the safe optimized nose-area
- seamless, continuous headband for comfortable and secure mask fit
- innovative shape-optimized design completely metal free

Respiratory half-mask FFP1

- protection against contaminates up to 4 x OEL
- easy to differentiate by colour coding (blue FFP1)

Respiratory half-mask FFP2

- protection against contaminates up to 10 x OEL
- easy to differentiate by colour coding (orange FFP2)

Respiratory half-mask FFP 3

- protection against contaminates up to 30 x OEL
- easy to differentiate by colour coding (black FFP3)
- circulatory venting via the soft edges prevents fogging of safety spectacles

| Description | Colour | PK Cat. No. |
|------------------------|--------|-----------------------|
| FFP1 | grey | 20 9.005 441 1 |
| FFP2 with exhale-valve | white | 15 9.005 468 2 |
| FFP3 with exhale-valve | white | 5 9.005 469 3 |



9.005 441



9.005 468



9.005 469

Uvex



4 Fine Dust Filtering Half Mask silv-Air climatec

FFP 3 - climatec half-mask High Performance with triple cavity system

- triple cavity system for maximum filter performance with lowest breathing resistance $% \left(1\right) =\left(1\right) \left(1\right) \left$
- extended operation because of the larger filter surface incorporating two additional cavities
- effective regulation of the temperature in the mask by climatec comfort
- innovative, shape-optimized design completely metal free
- highest safety (certified according EN149 safety-level FFP3)
- anatomical design and soft-compound edges avoid bruising to the face
- easy to differentiate by colour coding (black FFP3)
- compatible with safety spectacles because of the optimized nosebridge
- circulatory venting via the soft-compound edges prevents fogging of safety spectacles
- seamless, continuous headband for comfortable and secure mask fit

| Description | PK | Cat. No. |
|---------------|----|-----------|
| FFP3 climatec | 3 | 9.005 459 |

5 Respirator, BARIMASK ABEK 15

Half mask with inhalation and exhalation valves, a fitted cartridge filter (15 min ABEK) supplied in a sealed box with belt clip and additional hand loop (acc. DIN 58647-7). Shelf life: approximately 5 years.

| Туре | PK | Cat. No. |
|------------------------------|----|-----------|
| Respirator, BARIMASK ABEK 15 | 1 | 9.005 576 |



2. Occupational safety / Security

Breathing protection/Half masks







6.800 724 9.005 575

Half mask 620 N and 620 S

All masks approved according to EN 140 and certified according to council directive 89/686/EEC. Standard thread connection according to EN 148-1 which allows cost-efficient use of standard screw-filters besides insert filters and reusable holders. The masks can be used as pure filtration device and also as a mask for light airline systems. Two exhalation valves ensure low respiratory resistance. Ergonomic design of the mask bodies and sealing zone as well allow one single size of mask for all faces.

| Туре | PK Cat. No. |
|----------------------------|----------------------|
| Half mask 620 N* | 1 6.800 724 1 |
| Half mask 620 S** | 1 9.005 575 2 |
| Carrying box for half-mask | 1 6.801 096 |

^{*} With quick adjustable rubber harness.











9.005 585

Respiratory protection - plug-in filters for half mask 620 N and 620 S

Tested and approved to EN 143/EN 14387 standards with CE mark. Plug-in filters are connected to the mask by a filter mount. The filter mount is fitted with standard thread connections to EN 148-1.

Particle filter P 3 consists of a light PE housing with a built-in annular filter. Special folding provides a large filter surface area in a confined space.

A pre-filter collects aerosol mist and dust and prevents rapid accumulation of dirt particles in the main filter, thereby prolonging its lifespan. Easy to exchange by inserting into the outer chamber of the filter mount. Inflammable.

Vapours from organic compounds with boiling point >65°C Filter type A:

Filter type B: Inorganic gases and vapours e.g. chlorine

Filter type E: Sulphur dioxide Filter type K: Ammonia

Filter type P 1: Low particle filtration capacity Filter type P 2: Medium particle filtration capacity Filter type P 3: High particle filtration capacity

| Туре | Filter | PK Cat. No. |
|-----------------------|-----------------------------------|----------------------|
| | size | |
| | mm | |
| Gas filter 19 A | A1 | 1 9.005 580 4 |
| Gas filter 19 B | B1 | 1 9.005 581 |
| Particle filter 25 P3 | P3 R | 1 9.005 585 5 |
| Pre-filter 35/70 | - | 20 9.005 577 |
| Filter mount 5570/35 | for Filter 19A, 19B, 24 P2, 25 P3 | 1 9.005 586 |
| Filter mount 5570/70 | - | 1 9.005 587 |



6 Half mask, DUETTA

Tested to EN 140 standards and certificated according to PSA guideline 89/686/EWG. With double filter connection. Plastic mask body with soft, non-marking, sealing surface. Elastic adjustment straps with head harness.

- One mask size fits all face shapes
- Excellent field of vision, unrestricted freedom of movement and outstanding comfort
- Superior balance through double filter technology
- Non-allergenic
- Optimal sealing provided by newly designed sealing rim
- Easily dismantled for cleaning and maintenance
- One-piece headband for optimal fit
- Simple and secure filter attachment with bayonet connection

| Туре | PK | Cat. No. |
|-------------------|----|-----------|
| Half mask, DUETTA | 1 | 9.005 590 |

^{**} With quick adjustable silicone harness.

EKASTU Safety

Breathing protection/Half masks

1 2 Filters for DUETTA half mask and full face mask Vista-pro DUPLA

(According to EN 143 and EN 14387)

Filter 203 A2: Painting, varnishing, stripping

Filter 203 P3R: Asbestos fibres, dust

Filter 203 ABEK: Chemical industry (escape device), livestock owners

Filter 205 A2P3: Paint spraying, dioxin

Filter 205 ABEKP3: Hydrochloric acid, formic acid, disinfection work

| Туре | Protection- level | PK | Cat. No. |
|-------------------------------|----------------------|----|-----------|
| Gas filter 203 A2 | A2 | 4 | 9.005 592 |
| Particle filter 203 P3R | P3 R | 4 | 9.005 593 |
| Gas filter 203 ABEK | ABEK1 | 4 | 9.005 594 |
| Filter 205 A2P3 | A2-P3 R | 4 | 9.005 595 |
| Combination filter 205 ABEKP3 | ABEK1-P3 R | 4 | 9.005 596 |





3 Half mask, Polimask BETA

- double filter half mask made of EPDM offering optimum protection during any kind of activity
- 2 inhalation valves minimise the inhalation resistance
- 1 large exhalation valve ensures low exhalation resistance
- comfortable head harness with neck clip
- by turning the filter holder it is possible to change the angle of vision or expand the field of vision
- careful airflow routing allows use with spectacles

| Туре | Description | PK | Cat. No. |
|---------------|-------------|----|-----------|
| Polimask BETA | Half mask | 1 | 9.005 626 |



4 Filters for polimask BETA half masks

Gas Filter 200 A1 - Protection against organic gases and vapours with a boiling point > 65°C

Particle Filter 200 P3R

- Protection against particles of toxic and highly toxic substances, with innovative **BIOSTOP** treatment

Multi-type Filter 200 A1B1E1K1

- Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia

Multi-type Combined Filter 200 A1B1E1K1-P3R

- Protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and particles (P3), with innovative BIOSTOP treatment

Combined Filter 200 A1-P3R

- Protection against organic gases and vapours with a boiling point > 65°C, as well as particles (P3), with innovative **BIOSTOP** treatment

| Туре | Description | | Cat. No. |
|------------------|-------------------------------|---|-----------|
| | | | |
| 200 A1 | Gas filter | 8 | 9.005 627 |
| 200 P3R | Particle filter | 8 | 9.005 628 |
| 200 A1B1E1K1 | Multi-type filter | 8 | 9.005 629 |
| 200 A1B1E1K1-P3R | Multi-type combination filter | 4 | 9.005 637 |
| 200 A1-P3R | Combination filter | 4 | 9.005 638 |





EKASTU Safety

EKASTU Safety

EKASTU Safety

2. Occupational safety / Security

Breathing protection/Half masks-Full face masks



1 Half Mask, Polimask 230

- mask body made of EPDM
- Filter connector with 95mm special thread
- excellent face seal
- large field of vision and low breathing resistance
- suitable for use with prescription spectacles

| Туре | Description | PK | Cat. No. |
|--------------|-------------|----|-----------|
| Polimask 230 | Half mask | 1 | 9.005 630 |
| | | | |





Filters for half mask polimask 230

Particle filter 230 P3R

EKASTU Safety

- protection against particles of toxic and highly toxic substances
- with innovative **BIOSTOP** treatment

Multi type combined-filter 230 A2B2E2K1-P3R

- protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and particles (P3), with innovative BIOSTOP



| Туре | Description | PK | Cat. No. |
|------------------|----------------------------|----|-----------|
| 230 P3R | Particle filter | 2 | 9.005 631 |
| 230 A2B2E2K1-P3R | Multi-type combined-filter | 2 | 9.005 632 |

Half Mask Polimask 330

- with standard thread connection to DIN EN 148-1
- made of soft EPDM
- high leak tightness
- mask body with exhalation valve and chin support
- especially suitable for use over prescription spectacles
- the connector allows the half mask to be used with screw-on filters up to 300g, piped air supply and turbo unit respiratory systems

| Туре | Description | PK | Cat. No. |
|--------------|-------------|----|-----------|
| Polimask 330 | Halfmask | 1 | 9.005 530 |



4 Full Face Mask C 607/Selecta

- with standard thread connection to DIN EN 148-1
- panoramic view, transparent polycarbonate visor which is anti-fogging, non-reflective and distortion-free
- facepiece consists of non-irritating EPDM which is resistant to ageing and guarantees outstanding mechanical and chemical resistance
- 5-point harness secures the mask rapidly and firmly in place
- incorporates 2 exhalation valves

| Туре | Description | Class | PK | Cat. No. |
|-----------------|----------------|-------|----|-----------|
| C 607 / Selecta | Full face mask | 2 | 1 | 9.005 634 |

1 Full face mask Vista-pro DUPLA

Negative pressure mask acc. EN 136 and certified acc. PPE-guideline 89/686/EWG. Constructed in blue technical rubber. Wide, panoramic PC visor and speech diaphragm. With thread connection approved to EN 148-1 and twin filter adapter for 2 breathing filters with special bayonet fitting (Duetta series).

| Туре | Description | Class | PK | Cat. No. |
|-----------------|----------------|-------|----|-----------|
| Vista-pro DUPLA | Full face mask | 2 | 1 | 9.005 556 |



Suitable filters - please see page 183



EKASTU Safety

Full mask C 607 F

- with standard thread connection DIN EN 148-1
- anti-fogging, non-reflecting and distortion-free polycarbonate visor shield with large vision field
- facepiece consists of non-irritating EPDM which is resistant to ageing and guarantees outstanding mechanical and chemical resistance
- built-in speech diaphragm
- 5-point adjustable head strap for precise fitting
- 2 large exhalation valves

| Туре | Description | Class | PK | Cat. No. |
|---------|----------------|-------|----|-----------|
| C 607 F | Full face mask | 3 | 1 | 9.005 540 |



Full face mask SFERA Silikone/EPDM



EKASTU Safety

- constructed in silicone
- with DIN EN 148-1 standard thread connection
- patented, panoramic view, transparent polycarbonate visor which is anti-fogging, non-reflective and distortion-free
- built-in speech diaphragm with exceptional voice transmission which allows the use of megaphones, telephones and two-way radios
- universal size allows the mask to fit tightly, but gently, irrespective of the shape of the face
- the inner mask is equipped with 2 one-way valves which help minimise residual exhaled breath and prevent the visor lens from misting up by ensuring even ventilation

| Туре | Description | Class | PK | Cat. No. |
|------------------|----------------|-------|----|-----------|
| SFERA / Silikone | Full face mask | 3 | 1 | 9.005 635 |
| SFERA / EPDM | Full face mask | 3 | 1 | 6.300 488 |





2. Occupational safety / Security

Breathing protection/Full face masks

Respiratory filters for masks polimask 330, C 607 and SFERA



EKASTU Safety

Standard thread connection, DIN EN 148-1.

Gas filter DIRIN 230 A2

- protection against organic gases and vapours with a boiling point > 65°C

Combined filter DIRIN 230 A2-P3R

- protection against organic gases and vapours with a boiling point > 65°C, as well as particles (P3) with innovative BIOSTOP

Multi-type combined filter DIRIN 230 A2B2-P3R

- protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours as well as particles (P3) with innovative BIOSTOP Multi-type filter DIRIN 230 A2B2E2K1

- protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia

Multi-type combined filter DIRIN 230 A2B2E2K2-P3R

- protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide and ammonia as well as particles (P3) with innovative BIOSTOP

Multi-type combined filter DIRIN 500 A2B2E2K2-Hg-P3R

- protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia and mercury vapours, as well as particles (P3)
- with innovative **BIOSTOP** may only be used with full face masks

Multi-type combined filter DIRIN 530 A2B2E2K2 Hg NO 20CO-P3R

- protection against organic gases and vapours with a boiling point > 65°C, inorganic gases and vapours, sulphur dioxide, ammonia, oxides of nitrogen, carbon monoxide, mercury vapours and mercury compounds, as well as particles (P3)
- sealed in aluminium foil for safest storage, also under extreme conditions
- with innovative BIOSTOP (may only be used with full face masks)

Particle filter DIRIN 230 P3R

- protection against particles of toxic and highly toxic substances
- with innovative **BIOSTOP**

| Туре | Description | PK Cat. No. |
|-----------------------------------|----------------------------|--------------------|
| DIRIN 230 A2 | Gas filter | 1 9,005 660 |
| DIRIN 230 A2-P3R | Combined filter | 1 9,005 686 |
| DIRIN 230 A2B2-P3R | Multi-type combined filter | 1 9.005 687 |
| DIRIN 230 A2B2E2K1 | Multi-type filter | 1 9.005 691 |
| DIRIN 230 A2B2E2K2-P3R | Multi-type combined filter | 1 9.005 690 1 |
| DIRIN 500 A2B2E2K2-Hg-P3R | Multi-type combined filter | 1 9.005 692 2 |
| DIRIN 530 A2B2E2K2 Hg NO 20CO-P3R | Multi-type combined filter | 1 7.636 659 |
| DIRIN 230 P3R | Particle filter | 1 9.005 744 3 |



9.005 690



9.005 692









Tested and approved to EN 136 and CE standards. With polycarbonate visor. Speech diaphragm and round thread connection according to EN 148-1.

- Maximum field of view thanks to low position nosepiece with two exhalation valves
- Heat resistant polycarbonate visor, tested and approved for use by firefighters
- Carefully designed airway ensures non-misting visor
- 5-point headstrap attachment
- Optimal sealing to face, can be fitted to all head sizes
- Shock-absorbing device reduces the risk of injuries caused by impacts to the mask
- Resistant PE speech membrane in stainless steel casing
- Variable fastening headstrap
- No special tools required for maintenance
- Simple operation for changing sealing rings and ventilation panels

Full face mask BRK 820 G

As facemask BRK 820, but with a scratch- and solvent-resistant surface-hardened polycarbonate lens.

| Туре | Class | PK | Cat. No. |
|-----------|-------|----|-----------|
| BRK 820 | 3 | 1 | 9.005 555 |
| BRK 820 G | 3 | 1 | 6.401 235 |