

Респираторы защитные CARL ROTH Air, smart, SoloBand, Smart Pocket, Mandil FFP2/V, silv-Air e, Aura 9300+, Aura 9400+, Aura 1800+, Classic 8000, Comfort 8300, Premium

Технические характеристики

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Particulate filter masks



Cat. III

Particulate filter mask Air

Moldex.

Acc. to EN 149:2001 + A1:2009.

Protection against dust, aerosols and fumes:

- Anatomically preformed masks - adaptable to fit different face sizes
- DuraMesh®: Sturdy mask mesh keeps the mask in shape
- ActivForm®: No nose bridge required
- **Fluted filter technology: 260% more filtration area**, very low breathing resistance, high absorption capacity, long life
- All-round strap with adjustable clip for easy application, removal and adjustment
- Also available in **size S** (for small or narrow faces)

With Klimaventil®

For easy exhalation, the Klimaventil® opens at the lightest exhalation pressure and reduces heat and moisture under the mask.

Protection level	Size	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	S	3155	individual	XA32.1	10 unit(s)	
FFP2 NR D	M/L	3105	individual	XA33.1	10 unit(s)	
FFP3 NR D	S	3255	individual	XA34.1	10 unit(s)	
FFP3 NR D	M/L	3205	individual	XA35.1	10 unit(s)	

Without Klimaventil®

Protection level	Size	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	S	3150	individual	XA28.1	10 unit(s)	
FFP2 NR D	M/L	3100	individual	XA29.1	10 unit(s)	
FFP3 NR D	S	3250	individual	XA30.1	10 unit(s)	
FFP3 NR D	M/L	3200	individual	XA31.1	10 unit(s)	

Particulate filter mask Air Plus

Moldex.

Acc. to EN 149:2001+A1:2009.

Protection against dust, aerosols and fumes:

- Anatomically preformed masks - adaptable to fit different face sizes
- DuraMesh®: Sturdy mask mesh keeps the mask in shape
- ActivForm®: No nose bridge required
- Klimaventil®: Reduces heat and moisture build-up under the mask
- Special tight fit thanks to soft all-round sealing lip made of a skin-friendly, washable TPE material

- **Fluted filter technology: 260% more filtration area**, very low breathing resistance, high absorption capacity, long life
- All-round strap with adjustable clip for easy application, removal and adjustment
- With Klimaventil® for easy exhalation. The valve opens at the lightest exhalation pressure. Heat and moisture build-up under the mask are reduced.

Protection level	Size	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 R D	M/L	3305	T761.1	5 unit(s)	
FFP3 R D	M/L	3405	T763.1	5 unit(s)	



Particulate filter mask smart

Moldex.

Acc. to EN 149:2001 + A1:2009.

Protection against dust, aerosols and fumes:

- Anatomically preformed masks – adaptable to fit different face sizes
- DuraMesh®: Sturdy mask mesh keeps the mask in shape
- ActivForm®: No nose bridge required
- Klimaventil®: Reduces heat and moisture build-up under the mask

- With soft sealing lip
- All-round strap with clip for easy application, removal and adjustment
- Colour-coded straps: FFP1 blue, FFP2 white, FFP3 yellow

Without Klimaventil®

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP1 NR D	2380	EE30.1	20 unit(s)	
FFP2 NR D	2480	EE31.1	20 unit(s)	

With Klimaventil®

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP1 NR D	2385	T758.1	20 unit(s)	
FFP2 NR D	2485	T759.1	20 unit(s)	
FFP3 NR D	2505	T760.2	10 unit(s)	

Particulate filter masks



Particulate filter mask SoloBand®

Moldex.

Acc. to EN 149:2001 + A1:2009.

Protection against dust, aerosols and fumes:

- Anatomically preformed masks – adaptable to fit different face sizes
- DuraMesh®: Sturdy mask mesh keeps the mask in shape
- ActivForm®: No nose bridge required
- Klimaventil®: Reduces heat and moisture build-up under the mask
- FFP mask with special headband
- Easy and quick application and removal, even wearing gloves
- Soft sealing lip
- With Klimaventil®

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP1 NR D	2395	CT75.1	20 unit(s)	
FFP2 NR D	2495	CT77.1	20 unit(s)	



Particulate filter mask Smart Pocket

Moldex.

Acc. to EN 149:2001+ A1:2009.

Protection against dust, aerosols and fumes:

- **Ready to wear**
- Soft sealing lip
- DuraMesh®: Sturdy mask mesh keeps the mask in shape
- ActivForm®: Without nose bridge
- Loop strap with clip for simple on, off and adjustment
- **With Klimaventil®**

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	2475	individually	YP17.1	10 unit(s)	
FFP3 NR D	2575	individually	YP18.1	10 unit(s)	



Particulate filter mask Mandil FFP2/V

EKASTU Safety.

Acc. to EN 149:2001+ A1:2009.

- Stable preformed mask body with high level of wear comfort
- A flexible, foam-lined nose bridge allows skin-friendly and comfortable sealing
- With colour-coded nose bridge and exhalation valve for instant identification of the protection class
- Cool Down exhalation valve makes exhaling easier and prevents build-up of heat under the mask

Technical specifications:

Art. No.	1EXT.1
Protection level	FFP2 NR
For protection against	Low-toxic or harmful particles up to ten times the limit
Standards	EN 149:2001+A1:2009

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR	411281	1EXT.1	12 unit(s)	



Particulate filter mask cobra foldy FFP2/V

EKASTU Safety.

Acc. to EN 149:2001+ A1:2009.

- Foldable mask, with special 3D design and high level of wear comfort
- With colour-coded nose bridge and exhalation valve for instant identification of the protection class
- A flexible, foam-lined nose bridge allows skin-friendly and comfortable sealing
- Infinitely adjustable band with comfortable clip fastener
- Cool Down exhalation valve makes exhaling easier and prevents build-up of heat under the mask
- Very compatible with safety spectacles
- Hygienic handling, as masks are individually packed

Technical specifications:

Art. No.	1EXP.1
Protection level	FFP2 NR D
For protection against	Low-toxic or harmful particles up to ten times the limit
Exhalation valve	Yes
Standards	EN 149:2001+A1:2009

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR D	419281	1EXP.1	12 unit(s)	



Particulate filter masks



Particulate filter mask silv-Air e

UVEX.

Acc. to EN 149:2001 + A1:2009.

- Exhalation valve reduces respiratory resistance and heat and moisture under the mask
- Integrated nose clip
- All-round comfortable lip seal
- Four-point headband attachment on PP32.1 for comfortable and secure fit

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR D	7212	XC91.1	15 unit(s)	
FFP3 R D	7312	PP32.1	5 unit(s)	



Particulate filter mask silv-Air e

UVEX.

Acc. to EN 149:2001 + A1:2009.

- Shape-optimised design
- Four-point strap for a comfortable and secure fit
- Flexible, easily adjustable nose bridge
- Two additional filters with inhalation valves for lower breathing resistance
- Can be used for longer due to larger filter surface
- Dolomite dust test (D) passed
- Soft, all-round lip seal
- Temperature control via two suction valves and one exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 R D	7232	XC92.1	3 unit(s)	
FFP3 R D	7330	KX42.1	3 unit(s)	



Fold-flat particulate filter mask silv-Air classic

UVEX.

Acc. to EN 149:2001+A1:2009.

- Particulate-filtering fold-flat mask
- All-round headband and flexible-fit nose clip
- Comfortable sealing lip on the nose for reliable sealing
- NR: not reusable (use for one shift only)

(1) With exhalation valve

- Exhalation valve for reducing exhalation resistance and heat and moisture under the mask

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	3210	individual	1C98.1	15 unit(s)	

(2) With exhalation valve and activated carbon

- Exhalation valve for reducing exhalation resistance and heat and moisture under the mask
- Filter material contains additional activated carbon coating to keep unpleasant odours below the limit value

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	3220	individual	1C97.1	15 unit(s)	

(3) Without exhalation valve

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	3200	individual	1E5K.1	30 unit(s)	



Fold-flat particulate filter mask silv-Air lite

UVEX.

Acc. to EN 149:2001+A1:2009.

- Particulate-filtering fold-flat mask without exhalation valve
- Soft material edges for improved wearer comfort
- Rubber headband for comfortable and secure mask fit
- Integrated, flexible-fit nose clip for excellent wearer comfort and reliable sealing
- Highly compatible with safety spectacles
- Enlarged filter surface for low breathing resistance
- Large space inside the mask and optimised folded form prevents the mask from collapsing when breathing in

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR D	4200	1E72.1	30 unit(s)	

Particulate filter masks



Particulate filter mask silv-Air classic

UVEX.

Acc. to EN 149:2001+ A1:2009.

- Form-fitting particulate-filtering mask
- Flexibly adjustable nose clip for comfortable and secure mask fit
- FFP1 and FFP2 masks have an all-round headband and a comfortable sealing lip on the nose for reliable sealing
- FFP3 masks feature a four-point headband attachment and a soft, all-round sealing lip for optimum comfort and especially secure and reliable sealing
- NR: not reusable (use for one shift only)

With exhalation valve and activated carbon

- Exhalation valve for reducing exhalation resistance and heat and moisture under the mask
- Filter material contains additional activated carbon coating to keep unpleasant odours below the limit value

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR D	2220	1C91.1	15 unit(s)	

With exhalation valve

- Exhalation valve for reducing exhalation resistance and heat and moisture under the mask

Protection level	Size	Manufacturer no.	Art. No.	Pack Qty.	
FFP1 NR D	L	2110	1C93.1	15 unit(s)	
FFP2 NR D	L	2210	1C94.1	15 unit(s)	
FFP3 NR D	L	2310	1C95.1	15 unit(s)	
FFP3 NR D	S/M	2312	1C96.1	15 unit(s)	

Without exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR D	2200	1C92.1	20 unit(s)	



Particulate filter mask Aura™ 9300+

3M.

Acc. to EN 149:2001 + A1:2009.

- Comfortable to wear thanks to soft material, low weight and flat design; does not impede speech
- Integrated nose bridge with perspiration absorbent padding
- Can be folded flat for easy carrying, individually packed
- Compatible with spectacles and eye protection
- Cool-Flow exhalation valves reduce breathing resistance and prevent build-up of heat under the mask
- Without natural rubber components
- **Colour-coded straps:** FFP1 yellow, FFP2 blue, FFP3 red

Without Cool-Flow exhalation valve

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP1 NR D	9310+	individual	N186.1	20 unit(s)	
FFP2 NR D	9320+	individual	N187.1	20 unit(s)	
FFP3 NR D	9330+	individual	TY71.1	20 unit(s)	

With Cool-Flow exhalation valve

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP1 NR D	9312+	individual	N188.1	10 unit(s)	
FFP2 NR D	9322+	individual	N189.1	10 unit(s)	
FFP3 NR D	9332+	individual	N190.1	10 unit(s)	



Particulate filter masks



Particulate filter mask Aura™ 9400+

3M.

Acc. to EN 149:2001+ A1:2009.

Specially developed for food production and- processing requirements.

- Comfortable to wear thanks to soft material, low weight and flat design; does not impede speech
- Integrated nose bridge with perspiration absorbent padding

No small parts which can become detached:

- Clip-free: Minimises the risk of contamination
- Inner adjustable nose bridge: Securely integrated into the mask
- Can be folded flat for easy carrying, individually packed
- Compatible with spectacles and eye protection
- Cool-Flow exhalation valve reduces breathing resistance and prevents build-up of heat under the mask
- Without natural rubber components

Highly recognisable:

- Metal detector: Integrated metallic nose bridge
- Visual monitoring: Blue contrast colour stands out clearly from foodstuff colours

Protection level	Manufacturer no.	Pack.	Art. No.	Pack Qty.	
FFP2 NR D	9422+	individual	YP12.1	10 unit(s)	



Medical particulate filter mask Aura™ 1800+

3M.

Acc. to EN 149:2001 + A1:2009, type IIR, acc. to EN 14683:2005 (surgical masks) type IIR, acc. to 93/42/EEC, class 1.

- **Protects the user and the environment**
- Protects against particulates and aerosols
- Protects against ingress of chemical splashes, e.g. body fluid
- Suitable for lab technicians (e.g. **handling of cytostatic agents**), the pharmaceutical industry (manufacture of medicines), doctors, operating room-nurses, emergency room staff

- Three-piece design, mask adapts to many different face shapes and sizes
- Compatible with safety spectacles
- Folded flat and individually, hygienically packed for easy portability
- Integrated nose bridge with perspiration absorbent padding

Medical device class I MDD

Without exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP2 NR D	1862+	CNE4.1	20 unit(s)	
FFP3 NR D	1863+	CNE5.1	20 unit(s)	

With exhalation valve

Specially developed, covered Cool-Flow exhalation valve reduces heat build-up in the mask and breathing resistance while protecting surroundings from exhaled aerosols.

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP3 NR D	1883+	HT23.1	8 unit(s)	



Particulate filter mask Classic, 8000 series

3M.

Acc. to EN 149:2001 + A1:2009.

- For protection against fine dust and liquid particles
- Shape-retaining mask body with flexible nose bridge
- **Cool-Flow exhalation valve** reduces breathing resistance and prevents build-up of heat under the mask

Without exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP1 NR D	8710E	0265.1	20 unit(s)	
FFP2 NR D	8810	L159.1	20 unit(s)	

With exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.	
FFP1 NR D	8812	C810.1	10 unit(s)	
FFP2 NR D	8822	C811.1	10 unit(s)	

Particulate filter masks



Particulate filter mask Comfort, 8300 series

3M.

Acc. to EN 149:2001 + A1:2009.

- For protection against fine dust and liquid particles
- Shape-retaining mask body with flexible nose bridge
- Soft padded fleece lining for wear comfort
- Secure tight fit even without foam insert
- **Cool-Flow exhalation valve** reduces breathing resistance and prevents build-up of heat under the mask

Without exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP2 NR D	8320	CNE1.1	10 unit(s)

With exhalation valve

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP2 NR D	8322	CNE3.1	10 unit(s)

With exhalation valve and all-round lip seal

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP3 R D	8833	EH61.1	10 unit(s)



Particulate filter mask Premium

3M.

Acc. to EN 149:2001 + A1:2009; for filtering out fine dust and non-volatile liquid particles.

- 3M™ Advanced Electret Media (AEM) is a high-performance filter material to facilitate breathing
- Consistently high filtering power
- Masks have passed the **Dolomite dust test (D)** and have an all-round lip seal, allowing them to be worn for more than one shift
- **Cool-Flow exhalation valve** prevents heat from building up in the mask and makes breathing easier
- Reduces fogging of eye protection
- 3D preformed seal around the face makes the masks exceptionally comfortable to wear and extremely safe
- Flexible material with built-in nose profile allows the mask to adapt to any face shape
- Masks do not contain components made of latex, PVC or metal
- Held securely in place by a four-part fabric strap, which is adjustable and extra-wide
- Colour-coded according to protection factor (FFP = blue, FFP3 = red)

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP2 R D	8825+	0266.1	5 unit(s)
FFP3 R D	8835+	8123.1	5 unit(s)



Special particulate filter mask

3M.

Acc. to EN 149:2001 + A1:2009.

(1) FFP1 NR D odour-resistant mask without exhalation valve

For protecting against fine dust up to four times the limit and **unpleasant organic odours** below the limit.

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP1 NR D	9913	0936.1	20 unit(s)

(2) FFP1 NR D odour-resistant mask with exhalation valve

For protecting against fine dust up to four times the limit and **organic odours** below the limit.

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP1 NR D	9914	EH58.1	10 unit(s)

(4) FFP2 NR D special mask with exhalation valve

For protecting against fine dust up to ten times the limit and **against organic odours, HF gas and sulphur dioxide** below the limit.

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP2 NR D	9926	EH59.1	10 unit(s)

(5) FFP2 R D ozone mask with exhalation valve

For protecting **against harmful fine dust, metal fumes and ozone** up to ten times the limit. Ideal for welding.

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP2 R D	9928	P842.1	10 unit(s)

(6) FFP3 R D special mask with exhalation valve

For protecting against fine dust up to 30 times the limit and **against acidic gases, HF gas and sulphur dioxide** below the limit.

Protection level	Manufacturer no.	Art. No.	Pack Qty.
FFP3 R D	9936	EH60.1	10 unit(s)

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