

Datasheet

FFP masks

Protection against Dust, Mist,
Fumes & biological substances



Air Series – Air masks – Bi-Directional Protection

FFP2 NR D · Size M/L

 **3100** non valved

FFP2 NR D · Size S

 **3150** non valved

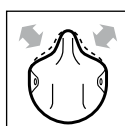
FFP3 NR D · Size M/L

 **3200** non valved

FFP3 NR D · Size S

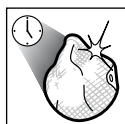
 **3250** non valved

CHARACTERISTICS



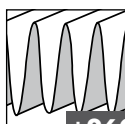
ActivForm®

Automatically fits to the face.
No manual adjustments by the user are necessary.



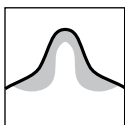
DuraMesh®

Masks have a strong and durable structure.



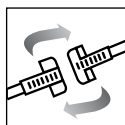
Low breathing resistance

Thanks to the Pleated Filter Technology the inhaled breathing resistance is reduced by more than 50% whilst maintaining filtration performance. The filter surface has been increased by 260%.



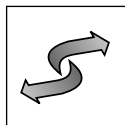
Nose seal

The flexible nose seal improves fit and provides optimum wearing comfort.



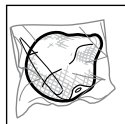
Clip & Adjustable Strap

Easy on & off; mask can be worn around the neck during breaks.



Bi-Directional Protection

Protects the wearer and his surrounding area
Meets the requirements of EN 149 and EN 14683.



Individually packed

Protected from dust and kept hygienic before use.

**LATEX
FREE**

Latex-Free

Doesn't contain natural latex.

**PVC
FREE**

100% PVC-FREE

All Moldex products and packaging are completely free from PVC.

**S
M/L**

Two sizes

For an optimal fit even for smaller faces.

CERTIFICATION

The Moldex Air FFP-masks meet the requirements of EN 149:2001 + A1:2009 and are CE-marked in accordance with the requirements of European Directive 89/686/EEC. The IFA (0121) Germany is responsible for both type examination (10) and monitoring of production (Article 11B). In addition to this the unvalved masks of the Series 3000 AIR meet the requirements of EN 14683:2014 according to the Medical Device Directive 93/42/EEC. The products are manufactured in an ISO 9001 certified plant.

MATERIALS

Filter Layer, Inner Shell, DuraMesh®: Polypropylene,
Ethylene-vinyl acetate (EVA)

Nose Seal, Clip: Polyethylene

Head Strap: Polyester, Lycra

WEIGHT

3100: 26 g **3150:** 21 g **3200:** 28 g **3250:** 23 g

AREAS OF USE

Level	WEL	Hazard type Examples
FFP2	12 x	HAZARDOUS FINE DUSTS, WATER AND OIL BASED MISTS/ AEROSOLS, BIOLOGICAL AGENTS OF RISK GROUP 2 Toxic dusts, aluminum oxide, bauxite, borax, brick dust, cement, gypsum, calcium oxide, concrete dust, granite, lead dust and fume, mould, wood dust (softwood), zinc oxide fume
FFP3	50 x	HARMFUL AND CARCINOGENIC DUSTS, WATER AND OIL BASED MISTS/ AEROSOLS, BIOLOGICAL AGENTS OF RISK GROUP 2 AND 3, CMR-SUBSTANCES As FFP2 but at higher concentrations, plus carcinogenic substances, ceramic fibres, brake dust, chromates, chromium, cobalt, nickel, wood dust (hardwood), micro organisms, radioactive and biochemical active aerosols, enzymes, viruses

(WEL = Workplace Exposure Limit)

NR (non reusable): Single use.

Comfortable and durable throughout the whole shift.

D (Dolomite clogging test): Masks have passed the Dolomite clogging test.
Better breathing resistance for longer.

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TESTING ACCORDING TO EN 149:2001 + A1:2009

Total inward leakage

Ten test subjects perform a variety of exercises. During the exercises the amount of test aerosol that penetrates the filter, face seal and valve are sampled. The total inward leakage of 8 out of 10 test subjects shall not exceed the following levels:

Category	max. total inward leakage
FFP2	8 %
FFP3	2 %

The filter penetration after loading the filter with 120 mg paraffin oil according to DIN EN 149:2001 + A1:2009 shall not exceed the following levels:

Category	max. Filter penetration
FFP2	6 %
FFP3	1 %

TESTING ACCORDING TO EN 14683:2014

Requirements

Testing	Type I	Type IR	Type II	Type IIR
Bacterial filtration efficiency (BFE) (%)	≥ 95	≥ 95	≥ 98	≥ 98
Splash resistance (mmHg)	not applicable	≥ 120	not applicable	≥ 120

The A1R masks pass the examinations of the category IIR.

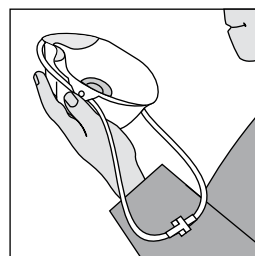
BFE testing method

An aerosol of *Staphylococcus aureus* is drawn through the filter material. The filter efficiency against bacteria is declared by the amount of colony building units which go through the mask.

INSTRUCTIONS FOR USE

- The masks are available in two sizes. According to the face dimensions the appropriate mask has to be chosen (S or M/L).
- The user has to be trained and instructed in wearing the mask.
- FFP masks do not protect against gases and vapours.
- The oxygen concentration of the ambient atmosphere should be at 19,5 % Volume.
- These respirators may not be used if the concentration type, and properties of contaminants in the ambient atmosphere are unknown or at dangerous levels.
- Respirators should be disposed if damaged, if the breathing resistance becomes high due to clogging.
- Never tamper with, alter or modify the respirator.

INSTRUCTIONS FOR FITTING



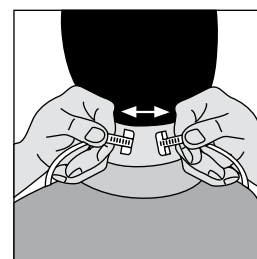
1. Pull strap to form a large loop.



4. Adjust strap by pulling loop on strap.



2. Place respirator on chin and pull loop over head tight to the neck.



5. During breaks unclip strap.



3. Pull upper strap and place on back of head.



6. Let mask hang around your neck.

INFO

For help on selection and training please contact us. We offer a wide range of training packages and support material.

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