

DATASHEET

FFP MASKS

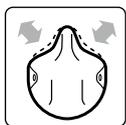
PROTECTION AGAINST DUST, MIST & FUMES



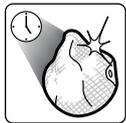
AIR SERIES – BI-DIRECTIONAL PROTECTION

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
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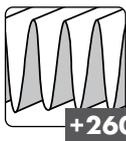
CHARACTERISTICS



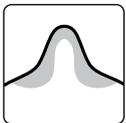
ActivForm®
Automatically fits to the face.
No manual adjustments by the user are necessary.



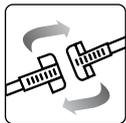
DuraMesh®
Masks have a strong and durable structure.



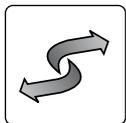
AirWave® filter
Long-life pleated filter for noticeably reduced breathing resistance.



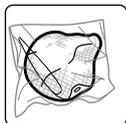
Nose seal
The flexible nose seal improves fit and provides optimum wearing comfort.



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.



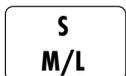
Individually packed
Protected from dust and kept hygienic before use.



Latex-Free
Doesn't contain natural latex.



100% PVC-FREE
All Moldex products and packaging are completely free from PVC.



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. The products are CE-marked in accordance with the requirements of EU regulation (EU)2016/425. The IFA (0121) in St. Augustin (Germany) is responsible for type examination (Module B) and monitoring of production (Module D). In addition to this the unvalved masks of the Air Series meet the requirements of EN 14683:2014 according to the Medical Device Regulation (EU)2017/745. 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	10 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, chromium, mould, wood dust (softwood), zinc oxide fume
FFP3	30 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, lead dust and fume, 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.

DATASHEET

FFP MASKS

PROTECTION AGAINST DUST, MIST & FUMES



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 AIR masks pass the examinations of the category IIR.

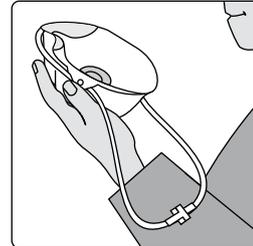
BFE testing method

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



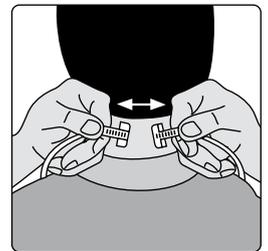
1. Pull strap to form a large loop.



4. Adjust strap by pulling loop on strap.



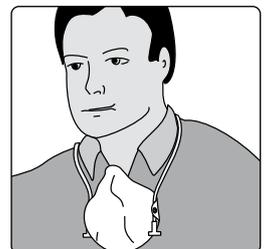
2. Place respirator on chin and pull loop over head tight to the neck.



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.

MOLDEX-METRIC AG & Co. KG
Tübinger Straße 50
72141 Walddorfhäslach
Germany

Tel.: +49 (0) 71 27/81 01-02
Fax: +49 (0) 71 27/81 01-48
info@moldex-europe.com
www.moldex-europe.com