DATASHEET

FFP MASKS

PROTECTION AGAINST DUST, MIST & FUMES

SMART Series – SMART Solo masks

FFP2 NR D

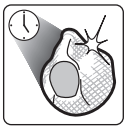
2495 with Ventex®-valve

FFP3 NR D

2595 IonicAir® with Ventex®-valve

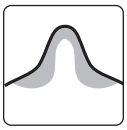
CHARACTERISTICS

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

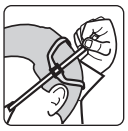


DuraMesh®
Masks have a strong and durable structure.

Ventex®-valve
Starts to open even at low exhalation pressure and significantly reduces moisture and heat inside the mask.

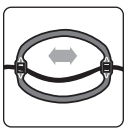


Nose seal
The flexible nose seal improves fit and provides optimum wearing comfort.



1-Strap
Designed for quick and simple fitting and removal of the mask, even when wearing gloves.

Flexi-Wings
Evenly distributes the strap-force to ensure a safe fit.



Head Harness
The adjustable head harness ensures correct positioning and optimal wearer comfort.

Dolomite clogging test
Masks have passed the Dolomite clogging test.
Better breathing resistance for longer.

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

CERTIFICATION

The Moldex Smart Solo 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). The products are manufactured in an ISO 9001 certified plant.

MATERIALS

Filter Layer: Polypropylene
Inner Shell, DuraMesh®: Polypropylene, Ethylene vinyl acetate (EVA)
ose Seal, Head Harness: Polyethylene
Ventex®-valve: Natural Rubber
Head Strap: Polyester, Lycra

WEIGHT

2495: 25 g **2595 *Ionic Air*®:** 26 g

AREAS OF USE

Level	WEL	Hazard type Examples
FFP2	10x	HAZARDOUS FINE DUSTS, WATER AND OIL BASED MISTS/ AEROSOLS, BIOLOGICAL AGENTS OF RISK GROUP 2
		As FFP1 but at higher concentrations, plus 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, lead dust and fume, 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

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 %

Flammability

4 respirators are passed through a 800°C (+/- 50°C) flame with a speed of 6 cm/s. After passing through the flame the respirator has to self-extinguish.

Breathing Resistance

The breathing resistance produced by the filter of the respirator is tested at an airflow of 30 l/min and 95 l/min.

Category	max. breathing resistance according to EN 149	
	30 l / min	95 l / min
FFP2	0,7 mbar	2,4 mbar
FFP3	1,0 mbar	3,0 mbar

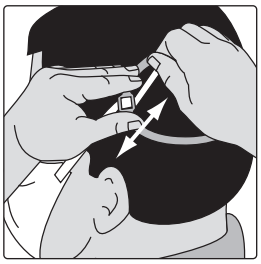
INSTRUCTIONS FOR USE

- 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, or at the end of a shift.
- Never tamper with, alter or modify the respirator.

INSTRUCTIONS FOR FITTING

1. Place respirator on chin and pull head strap on the head harness over the crown of the head.

2. Place head harness on the back of head.



3. Ensure the respirator fits securely and comfortably. If necessary, adjust strap by pulling it at either side of the head harness

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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