DATASHEET

HALF MASK

PROTECTION AGAINST GAS, VAPOUR & DUST

SERIES 5000

Size M/L

5104 | **5504** | **5904**
5174 | **5584** | **5984**

Particulate Filter Discs

8060 P1 R D
8070 P2 R D
8080 P3 R D

Holders

8090

CHARACTERISTICS

"The 5000 Series" masks from Moldex are convenient and easy to use. Supplied pre-assembled for use in most gas and vapour applications, these effective, disposable respirators combine high performance with the minimum of maintenance and no requirements for record keeping. Purpose designed for enhanced wearer comfort and improved field of vision, the 5000 Series masks are lightweight and easy to fit. Gas filter cartridges are permanently mounted to the facepiece with built-in inhalation valves providing gas and vapour protection. Replaceable particulate filter discs provide dust, mist and fume protection where required. Improved clogging characteristics enable particulate filters to pass the dolomite clogging test (D).

MATERIALS

Facepiece: Polypropylene, TPE
Head Strap: Polyester, Natural Rubber
Clip: Polyethylene
Particulate Filter: Polypropylene
Particulate Filter Holders: Polypropylene
Gas Filter: Activated Carbon
Gas Filter Cartridges: Polypropylene
Inhalation Valve: Natural Rubber, SBR
Exhalation Valve: Synthetic Rubber

WEIGHTS

FFA1:	**5104:** 219 g
FFA1P2 R D:	**5174:** 250 g
FFA2:	**5504:** 254 g
FFA2P3 R D:	**5584:** 346 g
FFABEK1:	**5904:** 266 g
FFABEK1P3 R D:	**5984:** 360 g

CERTIFICATION

The Moldex 5000 Series meet the requirements of EN 405:2001+A1:2009 and EN 143:2000+A1:2006. 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.

AREAS OF USE – GAS/VAPOUR

CLASS	WEL	HAZARD TYPE Example
FFA1	30 x	ORGANIC GASES/ VAPOURS b.p. >65° C (Against solvents from Adhesives, Paints, Paint Sprays, Pesticides)
FFABEK1	30 x	ORGANIC GASES/ VAPOURS b.p. >65° C (Against solvents from Adhesives, Paints, Paint Sprays, Pesticides), INORGANIC GASES AND VAPOURS (Against chlorine, bromine, hydrogen cyanide, hydrogen sulphide), ACID GASES (Against hydrogen chloride, nitric acid, sulphur dioxide) and AMMONIA AND AMINE DERIVATIVES
FFA2	30 x	ORGANIC GASES/ VAPOURS b.p. >65° C (e.g. As for A1 but at higher concentrations)

AREAS OF USE – PARTICULATE

LEVEL	WEL	HAZARD TYPE Example
P1 R D	4 x	FINE DUSTS, FUMES, WATER AND OIL BASED MISTS/ AEROSOLS Non-toxic dusts, cellulose, coal dust, limestone, pollen, sugar
P2 R D	10 x	HAZARDOUS FINE DUSTS, WATER AND OIL BASED MISTS/ AEROSOLS, BIOLOGICAL AGENTS OF RISK GROUP 2 As P1 but at higher concentrations, plus toxic dusts, aluminum oxide, bauxite, borax, brick dust, cement, gypsum, calcium oxide, concrete dust, granite, chromium, particulate welding fumes (no heavy metals), mould, wood dust (soft-wood), zinc oxide fume
P3 R D	30 x	HARMFUL AND CARCINOGENIC DUSTS, WATER AND OIL BASED MISTS/ AEROSOLS, BIOLOGICAL AGENTS OF RISK GROUP 2 AND 3, CMR-SUBSTANCES As P2 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

R: The filters are reusable.
D (Dolomite clogging test): Masks have passed the Dolomite clogging test, giving the user better breathing resistance for longer.

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TESTING

The respirators of the Moldex 5000 Series have been tested to EN 405:2001+A1:2009 and fulfill all requirements of the relevant categories. As the particle filters are separable and can be used with other devices, these are tested to EN 143:2000+A1:2006 for filter penetration performance.

Inward leakage of facepiece

Ten test subjects wearing respirators perform a variety of exercises on a running machine. During the exercises the amount of test aerosol that penetrates the face seal and exhalation valve are sampled. The inward leakage of the test contaminant must not exceed a value of 5 % of the inhaled air with 46 out of 50 test exercises. 8 out of 10 average values must not exceed 2 % of the total inward leakage.

Breathing Resistance

The breathing resistance produced by the gas filter cartridge or combination of gas filter cartridge and particulate filter disc is tested at an airflow of 30 l/min and 95 l/min.

Classification	Max. Breathing Resistance (mbar) according to EN 405	
	30 l/min	95 l/min
A1	1,0	4,0
A1 P1 R D	1,6	6,1
A1 P2 R D	1,7	6,4
ABE1 P2 R D	1,7	6,4
A2	1,4	5,6
A2 P3 R D	2,4	8,6
ABEK1	1,0	4,0
ABEK1 P3 R D	2,0	7,0

Flammability

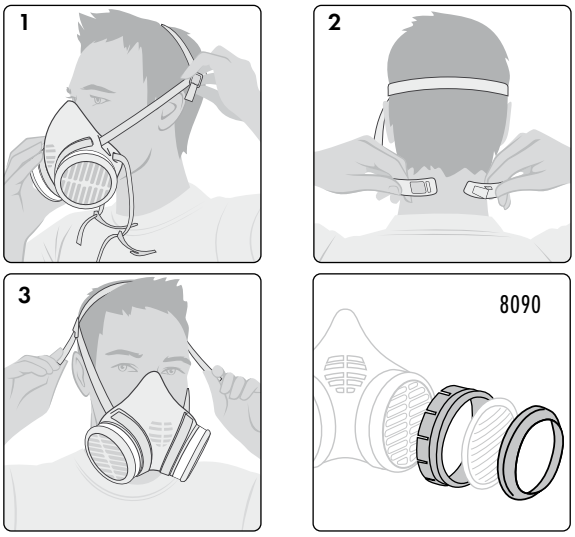
Masks are passed through a 800°C (+/- 50°C) flame with a speed of 6 cm/s. After passing through the flame the effect of the test on the mask components is noted.

PROTECTION CAPACITY

The minimum capacities and breakthrough times of the gas filter cartridges are tested at a flowrate of 30 l/min.

Category	Test Gases	Minimum Capacity	Minimum Breakthrough time
A1	Cyclohexane	7,3 g	70 min
B1	Chlorine	1,8 g	20 min
	Hydrogen cyanide	0,84 g	25 min
E1	Sulfur dioxide	1,6 g	20 min
K1	Ammonia	1,05 g	50 min
A2	Cyclohexane	18,4 g	35 min

INSTRUCTIONS FOR FITTING



CHECK OF FACESEAL

INSTRUCTIONS FOR USE

- The user has to be trained and instructed in wearing the respirator.
- These products do not protect against asphyxiants.
- The oxygen concentration of the ambient atmosphere must be at least 19.5 % Volume.
- These respirators may not be employed if the concentration, type and properties of contaminants in the ambient atmosphere are unknown or at dangerous levels.
- Respirators should be disposed off if damaged, if the set safe wear time is exceeded or if gas/vapour is detected inside the respirator by taste or smell. If used, particulate filters need to be exchanged if the breathing resistance becomes high due to clogging.
- Never tamper with, alter or modify the respirator.

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 01-175/176
Fax: +49 (0) 71 27/81 01-48
info@moldex-europe.com
www.moldex-europe.de