



Datasheet




Half mask


Protection against Gas, Vapour & Dust



Series 5000

size S	size M		
 5901	 5104	5504	5904
	5164	5584	5984
	5174		

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, Kraton
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
FFA1P1 R D:	5164: 249 g
FFA1P2 R D:	5174: 250 g
FFA2:	5504: 254 g
FFA2P3 R D:	5584: 346 g
FFABEK1:	5901: 259 g 5904: 266 g
FFABEK1P3 R D:	5984: 360 g

CERTIFICATION

The Moldex 5000 Series meet the requirements of EN405:2001+A1:2009 and EN143:2000+A1:2006 are CE marked in accordance with the requirements of European Directive 89/686/EEC. The "Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung" (IFA) in St. Augustin (0121) in Germany is the body responsible for both type examination (Article 10) and monitoring of production (Article 11B).

The products are manufactured in an ISO 9001:2000 certified plant.

AREAS OF USE – GAS/VAPOUR:

CLASS	WEL	HAZARD TYPE
		Example
FFA1	10 x WEL or 1000 ppm	ORGANIC GASES/ VAPOURS b.p. >65° C (Against solvents from Adhesives, Paints, Paint Sprays, Pesticides)
FFABEK1	10 x WEL or 1000 ppm	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	10 x WEL or 5000 ppm	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 (Against non-toxic dusts, e.g. Aluminium Oxide, Bauxite, Borax, Brick Dust, Cellulose, Cement, Coal Dust, Gypsum, Limestone, Plaster of Paris, Pollen, Portland Cement, Sucrose, Sugar)
P2 R D	10 x	FINE TOXIC DUSTS, FUMES, WATER AND OIL BASED MISTS/ AEROSOLS (e.g. As for P1 but at higher concentrations, plus: Brake Dust, Calcium Oxide, China Clay, Concrete Dust, Cotton Dust, Granite, Hay, Lead Dust and Fume, Particulate Welding Fumes, Silica, Sodium Hydroxide, Wood Dust, Zinc Oxide Fume.)
P3 R D	20 x	FINE TOXIC DUSTS, FUMES, WATER AND OIL BASED MISTS/ AEROSOLS (e.g. As for P2 but at higher concentrations, plus: Ceramic Fibres, Chromates, Chromium, Cobalt, Nickel, Micro Organisms, Radioactive or Biochemical Active Substances.)

(WEL = Workplace Exposure Limit)

R: The filters are reusable.

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TESTING

The respirators of the Moldex 5000 Series have been tested to EN405:2001+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 EN143:2000+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	
	30 l / min	95 l / min
A1	1,0 mbar	4,0 mbar
A1 P1 R D	1,6 mbar	6,1 mbar
A1 P2 R D	1,7 mbar	6,4 mbar
ABE1 P2 R D	1,7 mbar	6,4 mbar
A2	1,4 mbar	5,6 mbar
A2 P3 R D	2,6 mbar	9,8 mbar
ABEK1	1,0 mbar	4,0 mbar
ABEK1 P3 R D	2,2 mbar	8,2 mbar

FLAMMABILITY

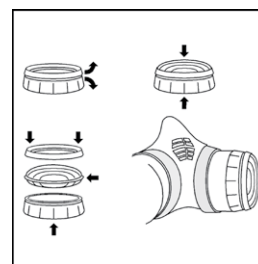
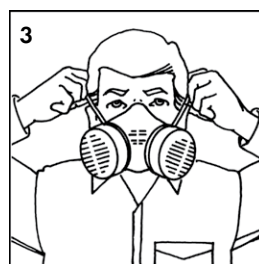
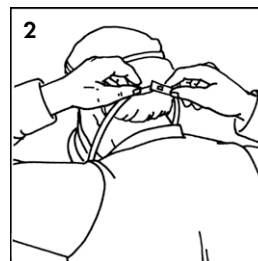
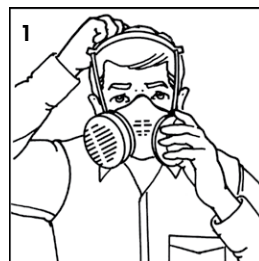
Masks are passed through a 800°C (+/- 50°C) flame with a speed of 6 cm/s. After passing through the flame the effect of the test on the mask components is noted.

PROTECTION CAPACITY

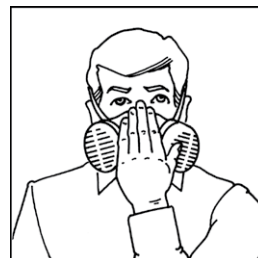
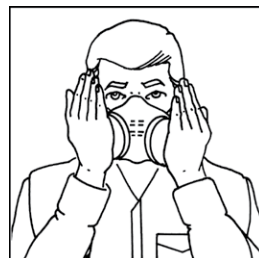
The minimum capacities and breakthrough times of the gas filter cartridges are tested at a flowrate of 30 l/min.

CATEGORY	TEST GASES	MINIMUM CAPACITY	MINIMUM BREAK-THROUGH TIME
A1	Cyclohexane	7,3 g	70 min
B1	Chlorine	1,8 g	20 min
	Hydrogen sulfide	1,7 g	40 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.

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