

## DATA SHEET

## HALF MASK

PROTECTION AGAINST GAS, STEAM AND DUST



## SERIES 8000

## Size



8001 p  
8002 m  
8003L \_

## Gas filter (cartridges)



8100 A1  
8200 ABE1  
8900 ABEK1  
8500 A2

## particle filter



8060 P1 RD  
8070 P2 RD  
8080 P3 RD

## adapter



8090  
8095

## KEY FEATURES

The half masks of the System 8000 series are economical and low-maintenance. The reusable mask body, with replaceable filters, is extremely light. With a focal point close to the face, the System 8000 series offers a generous field of vision.

The 8000 series is a durable and versatile respiratory protection. It can be used to protect against "gases and vapours" or with item 8095 only against particles (dust/aerosol/smoke). If additional particle filters (protection levels P1, P2 and P3) are mounted on the gas filters, the mask offers additional protection against dust, aerosols and smoke.

When replacing the gas filter cartridges, the integrated inhalation valve is automatically replaced as well.

The particle filters 8060, 8070 and 8080 meet the requirements of the dolomite dust test and are therefore marked "D". This means less breathing resistance over longer periods of use.

## MATERIAL

mask body:	Thermoplastic elastomer (TPE)
head harness:	polyester, lycra
clips:	polyethylene
Particulate filter:	polypropylene
Particle filter holder:	polypropylene
Gas filter:	Activated carbon

Gas filter cartridge: polystyrene

inhalation valve: Natural rubber, SBR

exhalation valve: silicone rubber

## WEIGHT

Mask body: 8001: 100g 8002: 101g 8003: 101g

Gas filter (per pair): 8100: 130g 8200: 136g 8900: 186g  
8500: 170g

Particle filter (per pair): 8060: 12 g 8070: 15 g 8080: 34 g

Adapters (per pair): 8090: 52g 8095: 78g

## CERTIFICATION

The 8000 series masks are approved according to EN140:1998, EN14387:2004 +A1:2008 and EN143:2000+A1:2006. The products bear the CE mark in relation to EU Regulation (EU)2016/425. The Institute for Occupational Safety and Health of the German Social Accident Insurance IFA (0121) in St. Augustin (Germany) is responsible for the type examination (module B) and ongoing product monitoring (module D).

The products are manufactured in an ISO 9001 certified production facility.

## AREAS OF APPLICATION – GAS / STEAM

Class	AGW	Type of air pollution	Examples
A1	30x	ORGANIC GASES AND VAPORS	(Handling of solvents from lacquers, paints and adhesives) up to a concentration of < 0.1% by volume, boiling point > 65°C
ABE1	30-fold	ORGANIC GASES AND VAPORS (= A1) + INORGANIC GASES AND VAPORS (= B1) (dealing with chlorine, bromine, hydrocyanic acid, hydrogen sulphide) up to a concentration of < 0.1% by volume + ACID GASES (= E1) (handling with sulfur dioxide, hydrochloric acid and other gases with an acidic reaction) up to a concentration of < 0.1% by volume	
ABEK1	30-way	MULTI-AREA FILTER WITH A1, B1, E1 AND K1 (K1 = AMMONIA) up to concentration < 0.1 vol.%	
A2	30-fold	ORGANIC GASES AND VAPORS (like A1, but can be used up to higher concentrations) up to a concentration of < 0.5% by volume, boiling point > 65°C	

## AREAS OF APPLICATION – PARTICLES

Class	AGW	Type of air pollution	examples
P1 RD	4x	WATER- AND OIL-BASED Particle Dust, smoke and aerosols Non-toxic dusts, cellulose, pulp, coal dust, limestone, pollen, sugar	
P2 RD	10 x	HAZARDOUS WATER- AND OIL-BASED DUSTS, BIOLOGICAL AGENTS OF RISK GROUP 2 like FFP1 but up to a higher concentration, plus toxic dusts, aluminum oxide, bauxite, borax, brick dust, cement, gypsum, calcium oxide, concrete dust, granite, chrome, welding fumes (no heavy metals), mould, wood dust (softwood), zinc oxide fumes	
P3 RD	30 x	HARMFUL AND CARCINOGENIC WATER- AND OIL-BASED DUSTS, BIOLOGICAL AGENTS OF RISK GROUP 2 AND 3, CMR SUBSTANCES like FFP2 but up to a higher concentration, plus carcinogenic substances, ceramic fibres, brake dust, chromic acid salt, lead dust and smoke, cobalt, nickel, wood dust (hardwood), microorganisms, radioactive and biochemically active aerosols, enzymes, viruses	

R: The multiple use of the filters is not limited to the duration of one work shift.

AGW: Occupational exposure limit

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### TEST

The 8000 series masks are designed according to EN140:1998, EN14387:2004 and EN143:2000 tested and meet all requirements of the relevant standard categories.

#### total leakage

Ten people wearing respirators perform a series of exercises on a treadmill. The amount of test aerosol that enters the respirator through the filter, sealing lip and valve is measured. The total leakage of test aerosol must not exceed 5% of the inhaled air in 46 out of 50 of the tests carried out. 8 out of 10 mean values of the tests carried out must not exceed the total leakage of 2%.

#### breathing resistance

All MOLDEX masks are well below the maximum breathing resistance permitted by the standard. With regard to occupational health precautions according to "Occupational Medicine Rule AMR 14.2" (formerly "G26"), all MOLDEX masks and filter combinations fall into **group 1** (device weight up to 3kg; inhalation resistance up to 5mbar with a breathing volume of intermittently sinusoidal 30l/min). **For respiratory protective devices in this group, there is no need for mandatory preventive care**, but rather an optional preventive measure (according to ArbMedVV, appendix, part 4, point [2], sentence 2) to be offered by the employer.

#### flammability

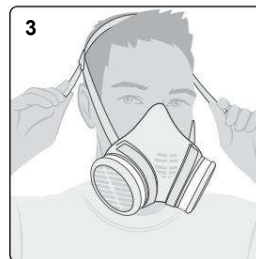
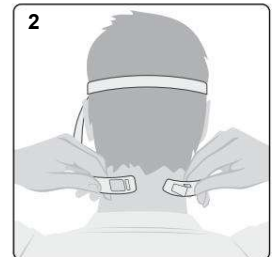
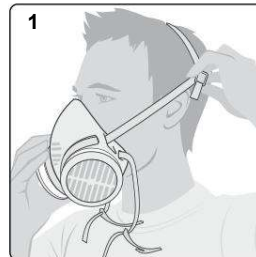
The mask body is passed through a flame of 800°C (± 50°C) at a speed of 6 cm/s. After removing it from the flame, the mask body must not burn.

### ABSORPTION OF THE GAS FILTERS

The minimum absorption capacity and service life of the gas filters are tested at a flow of 30 l/min.

category of test gases		Receptivity (min.)	service life (at least)
A1	cyclohexane	7.3g	70 mins
B1	chlorine	1.8g	20 min
	hydrogen cyanide	0.84g	25 mins
E1	sulfur dioxide	1.6g	20 min
K1	ammonia	1.05g	50 mins
A2	cyclohexane	18.4g	35 mins

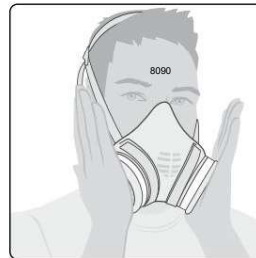
### INSTALLATION INSTRUCTIONS



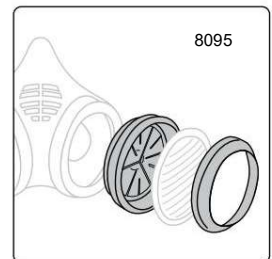
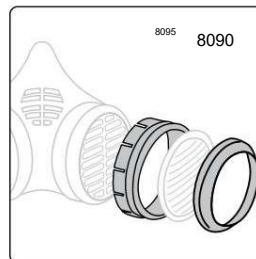
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### SEAL CHECK



### MON DAY EAND AU SWECHS LU NGDER PARTICULATE FILTERS AND SUPPORTS



### INFO

We would be happy to help you choose the right respiratory mask or provide user training. For questions, advice and information material, please contact us.

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