



Face Shield

MULTIMASK PRO & MULTIMASK



English

# e-breathe Multimask

## Face Shield



A new generation of face protection is introduced with the Multimask. Engineers were able to successfully integrate suggestions for improvement from numerous direct users into a whole new concept of respiratory protection. The result convinces by functionality and comfort.

The Multimask was designed to cover a wide spectrum of various applications and requirements. To ensure maximum functionality and comfort, e-breathe offers a wide range of compatible accessories and spare parts. The Multimask was designed modular which enables the user to compose the mask to the respective application to best fit the individual requirements.

### The Multimask's innovative design includes a lot more than the user can see at first glance:

At first, the structure of the top of the mask's frame enables the user to combine the Multimask with all standardized safety helmets. In addition to that, the frame's shape makes it impossible to lay down the Multimask on the visor. Therefore, the field of vision is protected from unnecessary scratches. Also, the mask's frame provides enough space to characterize the Multimask professionally.

Furthermore, the various face seals ensure the highest wearing comfort and are highly skin-tolerable. The individually selectable face seal sizes make the Multimask suitable for all users. The visor offers a wide field of vision and ensures an anti-fog all-round vision. The Multimask can quickly and easily be cleaned and maintained. Through a rotary motion, headgear and visor can easily be exchanged without tools.

The Multimask combines respiratory, face, hearing and head protection.

### Multimask



The Multimask is the standard version of the modular face shield. It is equipped with a neoprene face seal and a standard polycarbonate visor. The lightweight PCAB mask frame is the basic component of the Multimask and is identical in all variants. The mask frame can be equipped and extended with all basic components and all upgrades of the pro series.

### Multimask Pro



The newly developed Multimask Pro has a redesigned face seal made of silicone which ensures greater comfort for the wearer, quicker cleaning and a higher protection class. Thanks to the special mask frame the user has the possibility to control the airflow in the headpiece. The headpiece is fitted with a removable cellulose acetate visor treated with a durable anti-fog varnish to ensure a permanent free vision.

- Silicone face seal
- Chemical resistant and anti-fog CA visor with a wide all-round vision
- Highest protection class TH3

## Features & Benefits:

### Face Seal:

- Washable and replaceable
- Different sizes for a perfect fit
- Materials: **neoprene, silicone, foam**

### Head Strap:

- Eccentric screws for easy exchange
- Various replaceable head straps:
  - Elastic two-point head strap (polypropylene)
  - One-point head strap for helmet attachment
  - Elastic two-point head strap (TPE/rubber) with adjustable straps

### Visor:

- Eccentric screws for easy exchange of visor
- Different materials for various requirements: cellulose acetate & polycarbonate

### Exhalation Valve:

- Serves as a speaker membrane and eases communication
- Discharge of exhaust air

### Compatibility:

- Compatible with: standard industrial helmet
- Compatible with: hearing protection

### Certified with 4 different PAPR:

- Smartblower Two Filter System
- PM Proflow SC 160
- PM Proflow EX 160
- e-Flow by e-breathe



Combinations:	e-Flow by e-breathe	PM Proflow 2 SC 160 PM Proflow 2 EX 160	e-breathe Smartblower Two Filter System
Approvals:	CE certified according to EN 12941	CE certified according to EN 12941	CE certified according to EN 12941
Protection Class:	TH3*	TH3** & TH2	TH2
Airflow:	160 - 180 - 200 l/min	160 l/min	135 l/min
Hose Connection:	Vario & MM	Vario & MM	MM
Temperature range:	-10°C to +40°C <70% RH	-10°C to +40°C <70% RH	-10°C to +40°C <70% RH
Storage temperature:	-0°C to +30°C <70% RH	-0°C to +30°C <70% RH	-0°C to +30°C <70% RH
Eye protection:	EN 166 class B	EN 166 class B	EN class B
Weight headpiece:	375g	375g	375g
Face seal:	Silicone & Neoprene	Silicone & Neoprene	Neoprene
Mask material:	PCABS	PCABS	PCABS

\*Please note that this combination is still under authorization and is aspired to reach protection class TH3.  
\*\* Protection class TH3 only applies for Multimask Pro / Multimask with silicone face seal.



# e-breathe Multimask

## Functions

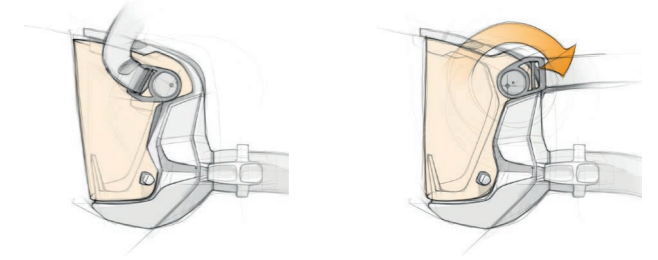


# e-breathe Multimask

## Functions

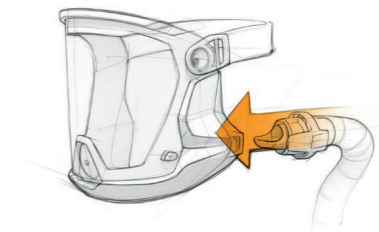
### 1 Eccentric Closure

Rotating the eccentric closure fixes the visor and takes up the headgear. Due to the rotation the visor is pushed against the visor seal resulting in additional sealing. Both, the headgear and the visor of the Multimask can be exchanged without any additional tools.



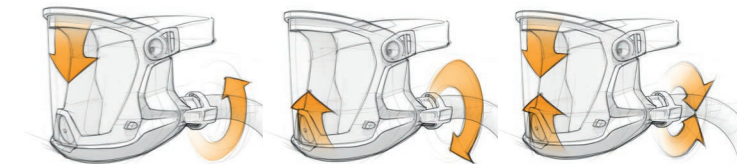
### 2 Hose Connection

The hose connector is attached to the Multimask with one easy click. Thus, the Multimask does not only meet the newest requirements of European standards, but also opens up to whole new opportunities.



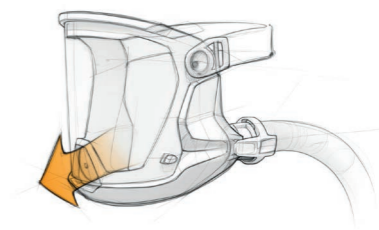
### 3 Air Control

Due to the patented click adaptor, the user has now the opportunity to decide from which direction fresh air should flow into the mask. Three different positions of the air ducts, which are arranged inside the mask frame with utmost accuracy, allow the user to regulate the air supply according to his needs. By rotating the click adaptor the user can decide whether the air supply comes only from the top or the bottom of the mask, or from both directions at the same time.



### 4 Exhalation Valve

The exhalation valve provides the safest possibility to remove exhaled air from the inside of the mask. Therefore, the valve prevents not only a steamed up visor but also a dangerous excess of carbon dioxide inside the mask. In addition to that, the proximity of the valve to the user's mouth improves communication while wearing the Multimask.



### 5 Face Seal

The comfortable face seal is replaceable and washable. Thanks to the variety of sizes and materials the face seal can be individually adjusted to the users' requirements.



# Respiratory Protective Devices

## Certified with Multimask & Multimask Pro

# Multimask

## Order Information



Face Pieces		
Article Name	Part Number	Image
<b>Multimask M</b> Industrial Line	322003999	
<b>Multimask M/L</b> Industrial Line	322004000	
<b>Multimask M</b> Medical Line	322004030	
<b>Multimask M/L</b> Medical Line	322004031	
<b>Multimask Pro</b>	322003997	

If you currently don't use a head piece and a blower, our Ready Packs provide a ready-to-go solution. The Ready Pack consists of a complete PAPR System (blower unit, battery, charging station, belt and two filters) and additionally includes a head piece and a breathing hose. The ready-to-go system provides everything you will need to get started.

Ready Packs		
Article Name	Part Number	Image
PM Proflow 2-SC 160 l/min. Set with <b>Multimask Pro</b>	322064401	
PM Proflow 2-SC 160 l/min. Set with <b>Multimask</b>	322064301	
e-breathe Ready-Pack Smartblower Two Filter System with <b>Multimask Size M</b> with <b>Multimask Size M/L</b>	32200212x Size M = 1 Size M/L = 2	
Ready-Pack e-Flow by e-breathe with <b>Multimask Pro</b>	322005200	
Ready-Pack e-Flow by e-breathe with <b>Multimask Size M</b> with <b>Multimask Size M/L</b>	3220052xx Size M = 10 Size M/L = 20	




Please note:  
The classification of the respiratory protective devices may be changed within the authorization due to substitution of components (e.g. face seal, blower, hose). Therefore please note the recent technical data sheets and publications to assemble the right system or contact our qualified personnel.



# Accessory & Spare Parts

Accessory & Spare Parts		
Article Name:	Part Number	Image
<b>Multimask Frame</b> (with visor sealing & silicone valve)	322004050	
<b>Breathing hose MM</b> (free rotating connector)	322000997	
<b>Breathing hose Vario</b> (connector with air control)	322000996	
<b>Protective cover hose</b>	116001041	
<b>Safety rubber band for hose</b> (4 pieces)	322000995	
<b>Face Seal Neoprene Size M</b>	322004018	
<b>Face Seal Neoprene Size M/L</b>	322004019	
<b>Face Seal Silicone (Pro)</b>	322094018	
<b>Face Seal Comfort (Pro)</b> Material: foam	available in 2018	no image available
<b>Comfort-Headband Pro</b> (Material: rubber/TPE)	available in 2018	no image available
<b>Comfort-Headband</b>	322004028	
<b>Standard-Headband</b>	322004020	
<b>Clips for Headband</b> (Pair)	128076216	

# Accessory & Spare Parts

Accessory & Spare Parts		
Article Name	Part Number	Image
<b>Hood Multimask</b>	116001040	
<b>e-breathe silicone valve</b>	322004045	
<b>Visor Sealing</b>	322004008	

## Visor





### Polycarbonate (PC) (material specifications)

	material thickness	optical class	UV protection	impact resistance	chemical resistance	temperature resistance
PC clear	1,00 mm	1	2 – 1,2	B – 120 m/s	+	up to 120 °C
PC gold*	1,00 mm	1	2 – 1,2	B – 120 m/s	+	up to 135 °C
PC green	1,00 mm	1	2 – 2,5	B – 120 m/s	+	up to 120 °C

\* The gold layer reflects up to 94% of the radiant heat.


### Visor Polycarbonate

Article Name	Part Number	Image
<b>Visor PC - standard</b>	322004009	
<b>Visor PC - scratch resistant</b>	322004010	
<b>Visor PC - anti-fog</b>	322004011	
<b>Protective foil Multimask</b> (PU 10)	101063094	

### Cellulose acetate (CA) (material specifications)

	material thickness	optical class	UV protection	impact resistance	chemical resistance	temperature resistance
CA clear	1,15 mm	1	2 – 1,2	B – 120 m/s	++	up to 90 °C
CA green	1,25 mm	1	2 – 5	B – 120 m/s	++	up to 90 °C

### Visor Cellulose Acetate

Article Name	Part Number	Image
<b>Visor CA - cellulose acetate</b>	322004014	
<b>Visor CA 2.0 - cellulose acetate</b> (acid resistant & anti-fog; both sides)	322004043	

# PM Atemschutz



Willicher Damm 99 – 41066 Mönchengladbach – Germany  
Tel: +49 (0)2161 / 40 290 0 Fax: +49 (0)2161 / 40 290 20  
[www.PM-Atemschutz.de](http://www.PM-Atemschutz.de)  
[info@pm-ateschutz.de](mailto:info@pm-ateschutz.de)

## PM Shop

Online Shop for Personal Protective Equipment  
[www.PM-Atemschutzshop.de](http://www.PM-Atemschutzshop.de)

## e-breathe

Development of Personal Protective Equipment  
[www.e-breathe.com](http://www.e-breathe.com)  
[info@e-breathe.de](mailto:info@e-breathe.de)

