

De-breathe

e-Flow

POWERED AIR PURIFYING RESPIRATOR



English



THE ALL-IN-ONE POWERED AIR PURIFYING RESPIRATOR:

With its new e-breathe PAPR-system, e-breathe has developed an absolute all-rounder. Thanks to its innovative and modular concept, the e-Flow belongs to the newest generation of air purifying respirators. The slim housing and ergonomic design enable an easy operation even in confined spaces. The system includes a basic unit and various filter boxes that serve as filter housings. The modular design allows the unit to be configured precisely to suit individual requirements. No matter whether the situation requires a connection with DIN round thread filters, an e-breathe ecoPAD filter or a three-filter operation, the modular e-Flow is always immediately ready for operation.

INTELLIGENT TECHNOLOGY FOR MAXIMUM SAFETY:

In addition to its universal application, the blower also convinces in terms of technology and equipment. The blower is equipped with the newest technology and offers maximum safety and protection.

• AUTOMATIC SYSTEM TEST:

The integrated software of the intelligent e-Flow carries out an automatic system test each time the device is switched on and thereby checks the functionality of the device before each operation.

• INTELLIGENT 2-STEP WARNING SYSTEM:

All the important components are permanently monitored by the electronics guaranteeing that the user is warned when the volume falls below the minimum level, when the filter is full or when the battery power is too low.

The alarm function of the e-breathe e-Flow is equipped with a 2-step warning system:

- Stage 1 - Warning: audible and visual signal
- Stage 2 - Alarm: audible, visual and mechanical (vibration alarm) signal

• RELIABLE ENERGY SOURCE:

Long-lasting and reliable blower breathing protection requires a reliable energy source, which has been implemented in the new e-breathe e-Flow as a replaceable and lightweight lithium-ion battery with fast charging function and a long service life. The communication between the system and the battery provides a real-time display of the remaining battery life.

Technical Specifications

| | |
|--------------------------------------|--|
| Operation Mode | e-breathe e-Flow Hood-System -> CE certified according to EN 12941 (TH3) |
| Approvals: | e-breathe e-Flow Full Mask System -> CE certified according to EN 12942 (TM3) |
| Airflow (automatic readjustment): | adjustable in 3 stages on the unit 160 - 180 - 200 l/min hood system 120 - 140 - 160 l/min full mask system |
| Airflow Warning: | < 160 l/min hood system < 120 l/min full mask system |
| Battery Warning: | < 15 min remaining time |
| Battery: | Lithium-Ion Battery: 14,4V / 3,4Ah / 49WH |
| Operating Time: | approx. 8 to 10 hours (Depends on the concentration of pollutants and the adjusted airflow.) |
| Battery Recharging Time: | less than 4 hours (quick charge function enables rapid charging: 2 hours for 80%) |
| Temperature Range: | -10°C to +40°C <70% RH |
| Weight: | approx. 1100g (with battery / without filters / without belt) |
| Alarm System: | optical alarm (Display of the alarm at the color display with corresponding error code.) acoustic alarm (≥ 75 dB) vibration alarm |
| IP Protection Class: | IP65 with Decon Cap |

FEATURES & BENEFITS

HIGH COMFORT:

- low noise level
- the system adapts optimally to every requirement due to different carrying systems
- ergonomic fit: blower fits tightly to the body and provides a high wearing comfort

MAXIMUM SAFETY:

- intelligent 2-stage warning system
- easy handling
- robust construction with reliable electronics and protection class IP 65

AIR FLOW:

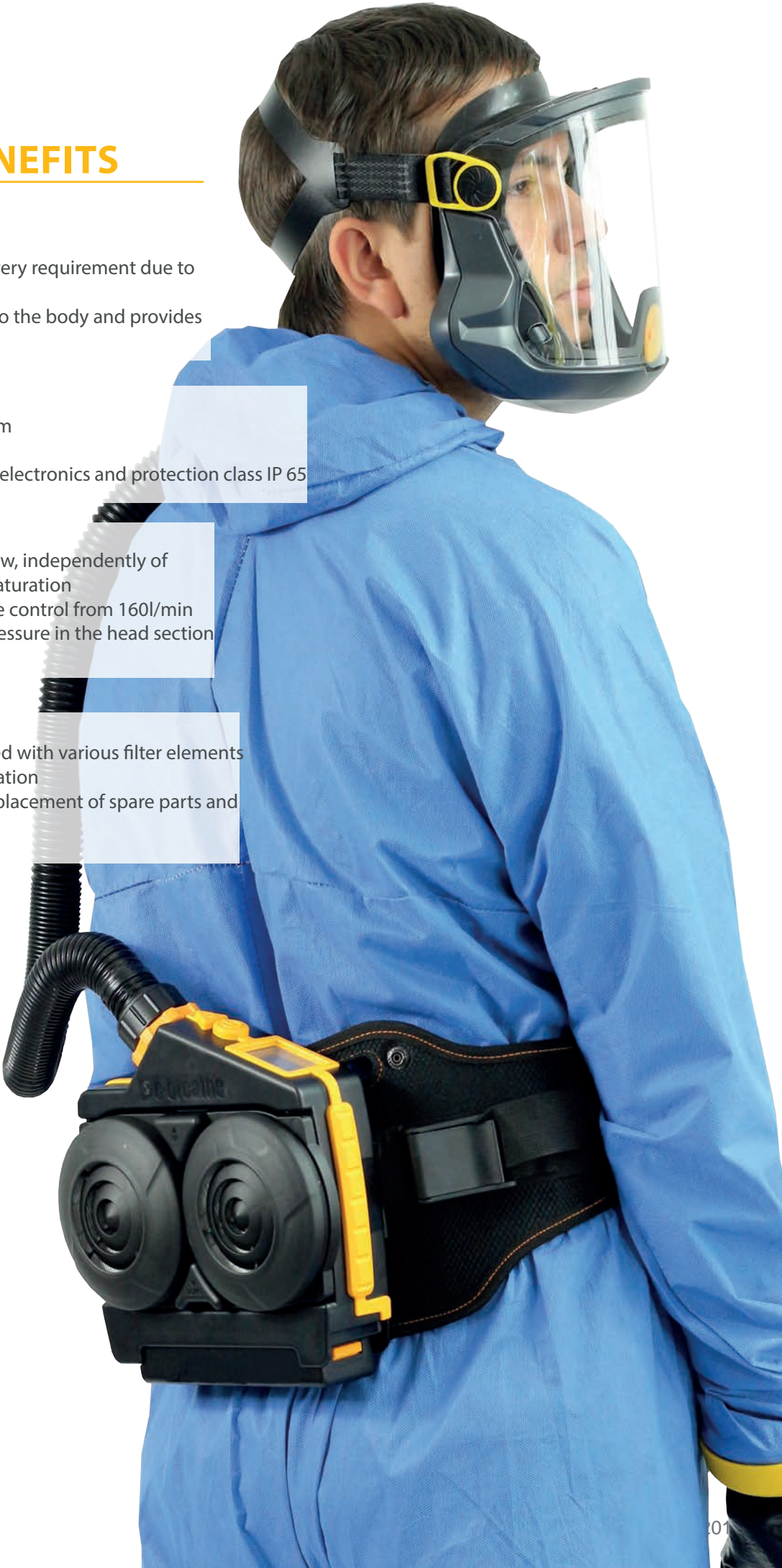
- constant monitoring of the air flow, independently of battery charge status and filter saturation
- Strong air flow with an air volume control from 160l/min to 200l/min to ensure an over-pressure in the head section even under extreme conditions.

MODULAR CONSTRUCTION:

- Basic unit, which can be combined with various filter elements depending on the specific application
- easy to maintain: quick & easy replacement of spare parts and components

APPROVALS:

- EN 12941: Class TH3
- EN 12942: Class TM3
- EN 138: Class B
- PPE Regulation



e-breathe e-Flow

FUNCTIONS

1 BASIC UNIT:

The Basic Unit combines technical and intelligent electronics. The installed brush less motor made by ebm-papst impresses through above-average quality and has a significantly higher lifetime than a conventional motor.

2 FILTER-BOX:

The e-flow PAPR has a modular construction and different filter boxes. Thanks to the interchangeable filter boxes the blower unit is fully customizable. Depending on the area of application the unit can be equipped with various filter connections. The filter box can be changed quickly and easily without any tools to meet the individual requirements of the user perfectly.

Compatible with: standard connection thread RD40x1/7 according to EN 148-1, e-breathe ecoPad Filter, triple Filter operation

3 E-BREATHE ECOPAD FILTER SYSTEM:

- Effective protection against particles and gases
- Combination filter with a modular construction: to separately exchange the particle or gas filter when only one of them is saturated
- Optional spark arrestor to prevent the filter from being damaged by hot sparks: quick and simple insertion into the filter cover
- Optional pre-filter traps the coarse particles and thus prolong the lifetime of the filter

4 EXCHANGEABLE LITHIUM-ION BATTERY:

- Quick and easy exchangeable battery to work without an interruption
- Quick charge system enables rapid charging (2 hours for 80% and 4 hours for the whole battery)
- Operating Time: 8 to 10 hours (depending on filter-/headpiece combination and concentration of pollutants)

5 ADJUSTABLE AIRFLOW:

The airflow can be easily adjusted with one button from 160 l/min to 180 l/min and up to 200 l/min.. Especially during strenuous tasks or usage in hot or humid environment the adjustable airflow is a useful function to facilitate the daily work of the user.

6 HOSE CONNECTION

The standard connection thread is compatible with all e-breathe & PM headpieces and hoses.

7 WEARING COMFORT:

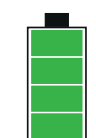
- Fitting: permanently close to the body
- Wide choice of various carrying system to best fit different areas of applications

8 USB SERVICE INTERFACE:

The e-flow can be connected to a computer via USB connection to read the system and configure the system according to the user's specific needs.

9 COLOR DISPLAY:

The system automatically runs a system test of all important components. The system test is performed to check the device when starting and to ensure maximum safety. Within a few seconds the system displays all important information on the home screen:



08:15 h

Battery Status

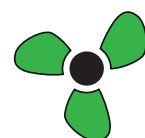
- state of charge
- remaining battery time



100 %

Filter Status

- current filter capacity



200 l/min

Airflow

- adjusted airflow
- 160 - 180 - 200 l/min

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e-breathe e-Flow

FUNCTIONS



e-breathe Multimask Pro

FACE SHIELD



The Multimask Pro with silicone seal is the Upgrade to the Multimask. The newly designed face seal made of silicone impresses with an improved fit of the seal and provides a bigger distance from the face to the visor, providing even greater wearing comfort.

The skin-tight facial seal in combination with the built-in cellulose acetate visor provides maximum protection and chemical resistance.

The anti-fog lacquer on both sides prevents fogging and ensures a permanently clear view.

The mask frame is identical to the multimask frame, therefore the Multimask Pro can also be used with a neoprene face seal.

Product Characteristics:

- highest wearing comfort & highest protection class TH3
- skin-friendly silicone face seal, washable and replaceable
- various replaceable head straps
- adjustable air flow through vario hose
- tool-free & easy replacement of visor and headgear
- Combines respiratory & face protection, with additional parts: hearing and head protection.
- CE certified according to EN 12941, **TH3**, EN166 1B
- Made in Germany



e-breathe Multimask

FACE SHIELD



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.

Product Characteristics:

- light chemical resistant frame with wide field of view
- skin-friendly silicone face seal, washable and replaceable
- various replaceable head straps
- adjustable air flow through vario hose
- compatible with standard industrial helmet
- weight head piece: 375g
- CE certified according to EN 12941 TH2, EN166 1B
- Made in Germany



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e-breathe Multi-Hood

OVERPRESSURE HOOD



The hood is made of a noiseless, robust, crease- and lint-free material. The hood cover is available in different versions depending on the application and fits on the different mountings. The individually selectable carrying systems allows the use of the Multi Hood with a Head-Holder or Helmet-Holder. The hood cover can be mounted on the holder in just a few simple steps using practical magnetic buttons. The Helmet-Holder fits on almost every standard industrial helmet. Thanks to the unique and innovative concept of the Multi Hood, the protective equipment can be customized to your requirements and is available as a limited-use or reusable hood.

The new Multi-Hood sets new standards in wearing comfort:

The visor is ergonomically shaped and features an extra large, distortion-free field of view. The Multi-Hood closes perfectly to the neck with a textile and elastic neck seal. The shoulder cover can be worn inside or outside the protective suit. Inside, the suit will be supplied with excess air.

Product Characteristics:

- Certified breathing & face protection according to EN 12941 & EN 166 F
- highest protection class TH3
- washable reusable hood cover available
- chemical resistant hood cover available
- head-, face-, neck- and shoulder protection
- suitable for beard and spectacle wearers
- extremely lightweight
- no G26 medical check-up & no limits on application time
- head protection according to EN 397 (with Multi-Hood Helmet Holder)
- made in Europe

PM Full Mask Panarea

FULL FACE MASK



The new PM Full Face Mask Panarea offers the highest wearing comfort.

Due to the soft and skin-tolerable silicone rubber, the mask combines comfortable wear qualities with a long durability.

The arched panorama-viewing window offers an unlimited field of vision without restrictions. A scratchproof anti-fog screen is installed on standard.

Product Characteristics:

- high wearing comfort due to comfortable silicone sealing
- extended wearing time due to blower / compressed air support
- large field of vision and anti-fog visor to prevent fogging
- CE certification according to EN 136: Class 3 / EN 12942: TM3, EN 14594: 4B
- made in Europe

PM Lab Hood AV

HOOD



The complete hood consists of a light, solid and lint-free material with integrated eye protection and shoulder cover. Specially designed for the risks of the pharmaceutical, chemical, nuclear and disaster medicine industries, the hood achieves the highest protection class together with an air Source (blower or compressed air control valve).

The blower builds up a constant overpressure inside the hood so that it is working self-supporting and without any headgear. The headgear can be universally adjusted to any head size.

The air flow is passing inside of the hood along the PVC visor so that it is not blown into the face of the user.

The PM Lab Hood AV is available as a limited-use hood and as a reusable hood.

Product Characteristics:

- maximum protection and comfort
- universally adjustable headband for all sizes
- no G26 medical check-up & no limits on application time
- suitable for beard and spectacle wearers
- CE certification according to EN 14594: 3B / EN 12941: TH3
- made in Europe

PM Chemical Hood

HOOD



The complete hood is manufactured from antistatic chemical-resistant material. Eye protection and shoulder covering are integrated.

The hood was developed for working environments with higher risks. Due to its materials, the hood protects against solid as well as liquid hazardous substances and toxics.

The blower ensures a constant overpressure inside the hood and thus achieves the highest protection class.

The airflow is passing inside of the hood along the PC-visor so that it is not blown into the face of the user.

The shoulder cover can be worn inside or outside the protective suit. Worn inside, the suit is supplied with excess air.

The PM Chemical Hood is only available as a limited-use hood.

Product Characteristics:

- chemical resistant hood material (details see data sheet)
- clear PC visor offers a large all-round view
- no G26 medical check-up & no limits on application time
- suitable for beard and spectacle wearers
- CE certification according to EN 14594: 3B / EN 12941: TH3
- made in Europe

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e-breathe Chemical Inside & Outside Suit



PAPR SUIT

The „e-breathe Chemical Outside & Inside“ is a one-piece overpressure protective suit that is used with an air source (blower or compressed air control valve) and is available in a variety of colors, materials and styles.

Inside Suit:

The air supply is worn inside the suit (only the filters are outside) and therefore remains free of contamination.

Outside Suit:

The air supply is worn outside the suit. This option is used for the rapid change (disaster control) of air sources and is therefore suitable for a variety of other PAPR. The suit can be easily and quickly dressed and undressed. The system can be changed without removing the suit, which is particularly valuable in emergencies such as epidemics when the suit is in use for more than 4 hours.

Air Source:

The corresponding air source (blower or compressed air control valve) supplies a constant fresh air flow of at least 160 - 280 l/min into the air duct of the integrated hood via the breathing air hose. In this way, the user is reliably supplied with sufficient breathable air. The exhaled air exits the suit via four discharge valves.

The suit has integrated boots. The gloves can be connected liquid-tight through an adapter or they can be fixed with chemical-resistant tape.

Approvals:

- EN 14594: 3B with e-Line DRV
- EN 12941: TH3 with e-Flow PAPR
- EN 14605:2009: Type 3B & 4B
- EN 13982:2009: Type 5

- EN 1073-2: protection against solid radioactive particles
- EN 14126: protection against infectious agents
- EN 1149-1 antistatic properties

e-breathe Splash Inside & Outside Suit



OVER PRESSURE SUIT

The e-breathe Splash is a one-piece overpressure protective suit that provides maximum protection against gases, vapours, solid and liquid chemicals and radioactive contamination. The suit is used in combination with the e-breathe e-flow PAPR or the e-breathe e-Line compressed air control valve.

The corresponding air source supplies a constant (adjustable) fresh air flow of 160-280 litres per minute, via the breathing air hose into the air duct of the integrated hood. In this way, the user is reliably supplied with sufficient breathable air. Exhaled air is led out of the suit via four discharge valves.

Product Characteristics:

- high chemical & mechanical resistance
- high comfort: maximum freedom of movement thanks to Y-Shape, improved air circulation and indirect cooling due to outflowing air
- exchangeable gloves and footies for use with different boots and gloves
- made in Germany

Approvals:

- EN 12941: TH3 blower respiratory protection
- EN 14594: 3B compressed air respirators
- EN 14605: Type 3B liquid-tight protective suits
- EN 14605 Type 4B spray-tight protective suits
- EN 1073-2: protection against solid radioactive particles
- EN 14126: protection against infectious agents



Starter Packs & Accessory

ORDER INFORMATION

STARTER-PACKS E-FLOW

| Articel Name | Part Number | Image |
|---|-----------------------|-------|
| The starter pack includes: blower unit, filter adaptor, battery, charging station and comfort belt | | |
| e-breathe e-Flow Blower Unit with PAD-Box - Hood System - Full Mask System | 3220051xx 00 02 | |
| e-breathe e-Flow Blower Unit with Filter-Box - Hood System - Full Mask System | 3220050xx 99 01 | |
| e-breathe e-Flow Blower Unit Basic | 322005000 | |

ACCESSORY & SPARE PARTS

| Articel Name | Part Number | Image |
|---|-------------|-------|
| e-Flow PAD-Box (Box for ecoPAD Filter) | 322005001 | |
| e-Flow Filter-Box (Box for standard connection thread) | 322005002 | |
| e-Flow Battery Li-Ion 14,4 V / 3,4 Ah / 49WH | 322002176 | |
| e-Flow Charging Station | 322005003 | |
| e-breathe Wall Mount for Charging Station | 322005004 | |
| e-breathe Comfort Belt Pro | 322003003 | |
| e-breathe shoulder strap Pro (textile) | 302063596 | |
| e-breathe back support Pro (textile) | 322001057 | |
| Belt Textile | 108062786 | |
| Belt Decon (decontaminable) | 302062996 | |
| additional accessories: decontamination plug, disposable cover, storage case, belt extension and much more | | |

Ready Packs

ORDER INFORMATION

If you currently don't use a head piece and a blower, our Ready Packs provide a comprehensive solution. The Ready Pack consists of a complete e-flow PAPR System (including blower unit, battery, charging station, belt, Pad Box or Filter Box* and 2x ecoPad P3 Filters) and additionally includes a head piece and a breathing hose.

READY-PACKS

| Articel Name | Part Number | Image |
|--|---|-------|
| The Ready Pack includes: Blower Unit, PAD-Box, Battery, Charging Station, Comfort Belt, 2x e-breathe Particle Filters P3, Hose and Head Piece | | |
| e-breathe Ready-Pack e-Flow with Multimask Pro | 322005200 | |
| e-breathe Ready-Pack e-Flow with Multimask Gr. M with Multimask Gr. M/L | 3220052xx Size M = 10 Size M/L = 20 | |
| e-breathe Ready-Pack e-Flow with Multi-Hood Limited-Use & Headgear or Helmetholder | 3220055xx Helmet. =00 Head = 10 | |
| e-breathe Ready-Pack e-Flow with Multi-Hood Premium & Headgear or Helmetholder | 3220056xx Helmet =00 Head = 10 | |
| e-breathe Ready-Pack e-Flow with PM Panarea Pro | 322005900 | |
| e-breathe Ready-Pack e-Flow with PM Lab Hood AV | 322005300 | |
| e-breathe Ready-Pack e-Flow with PM Chemical Hood | 322005400 | |
| e-breathe Ready-Pack e-Flow* with e-breathe Chemical Grey Inside | 32200570x Size S-XXL | |
| e-breathe Ready-Pack e-Flow with PM Chemical Grey Outside | 32200580x Size S-XXL | |

Compatible Products for e-breathe e-Flow

HEAD PIECES & SUITS

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| HEAD PIECES & SUITS | | | | |
|---|---------------------------|-------------|-------------------------------|-------------------------------|
| Product | Type | Part Number | Protection Class EN 12941/42* | Protection Class EN 14594/93* |
| e-breathe Multimask Size M | Face Shield | 322003999 | TH2 / TH3 | 3B |
| e-breathe Multimask Size M/L | Face Shield | 322004000 | TH2 / TH3 | 3B |
| e-breathe Multimask Pro | Face Shield | 322003997 | TH3 | 3B |
| e-breathe Multi-Hood with Headgear | Limited-Use Hood white | 322015502 | TH3 | 3B |
| e-breathe Multi-Hood with Helmet Holder | Limited-Use Hood white | 322015501 | TH3 | 3B |
| e-breathe Multi-Hood with Headgear | Limited-Use Hood yellow | 322015401 | TH3 | 3B |
| e-breathe Multi-Hood with Helmet Holder | Limited-Use Hood yellow | 322015402 | TH3 | 3B |
| e-breathe Multi-Hood with Headgear | Reusable Hood | 322015602 | TH3 | 3B |
| e-breathe Multi-Hood with Helmet Holder | Reusable Hood | 322015601 | TH3 | 3B |
| PM Lab Hood AV | Limited-Use Hood white | 700001008 | TH3 | 3B |
| PM Lab Hood AV | Reusable Hood | coming soon | TH3 | 3B |
| PM Chemical Hood | Limited-Use Kompletthaube | 700001066 | TH3 | 3B |
| e-breathe Chemical Grey Inside | PAPR Protection Suit | 70000921x | TH3 | 3B |
| e-breathe Chemical White Inside | PAPR Protection Suit | coming soon | TH3 | 3B |
| e-breathe Splash Outside | PAPR Protection Suit | coming soon | TH3 | 3B |
| PM Full Face Mask Panarea Pro | Full Mask | 701007000 | TM3* | 4B* |

| BREATHING HOSE WITH EN THREAD | | | | |
|--|-----------|-------------------|---|--|
| Article Name | Number | Material | Compatible with | |
| Breathing Air Hose Vario Air Control Connection | 322000996 | PU- flexibele | e-breathe Multimask / e-breathe Multimask Pro | |
| | 302711105 | PU - fixed length | | |
| | 302711107 | EPDM | | |
| Breathing Air Hose MM free rotating Connection | 322000997 | PU- flexible | e-breathe Multimask / e-breathe Multimask Pro | |
| | 302711104 | PU - fixed length | | |
| | 302711106 | EPDM | | |
| Breathing Air Hose e-breathe Click | 302001109 | PU - flexible | e-breathe Multi-Hood, PM Lab Hood AV, PM Chemical Hood, PM Chemical Grey Outside | |
| | 302011109 | PU -fixed length | | |
| Breathing Air Hose e-breathe Inside | 302001110 | PU - flexible | PM Chemical Grey Inside, e-breathe Splash Inside | |
| | 302001111 | PU - fixed length | | |
| Breathing Air Hose e-breathe RT | 302711100 | PU - fixed length | PM Full Face Mask Panarea Pro | |
| | 302711103 | PU - fixed length | | |
| | 302711108 | EPDM | | |
| Cover Hose | 116001041 | Limited-Use | Compatible with all PM & e-breathe Breathing Air Hoses | |

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Areas of Application



| PRODUCTS | | | | | | |
|-----------------------------|---------------------|-----------|----------------|------------------|----------------------|-----------------------------------|
| Application | e-breathe Multimask | Full Mask | PM Lab Hood AV | PM Chemical Hood | e-breathe Multi-Hood | PM Chemical Grey Inside & Outside |
| Aluminium works | x | x | | x | x | |
| Asbestos removal | | x | | | | |
| Nuclear industry | | x | x | x | x | x |
| Pharmaceutical | x | x | x | x | x | x |
| Lead processing | | x | | | | |
| Plumbing | x | x | | | | |
| Paint spraying | x | x | x | x | x | x |
| Chemical plants | | x | | x | x | x |
| General maintenance | x | x | x | x | x | |
| Laboratories | x | x | x | | x | x |
| Shipyards | x | x | | | | |
| Foundries | x | x | | x | | |
| Agriculture | x | x | x | x | x | x |
| Grain mills and silos | x | x | x | x | | |
| Food processing industry | x | x | x | x | | |
| Pest control | x | x | | x | x | x |
| Animal husbandry | x | x | x | x | x | |
| Grinding work | x | x | | | | |
| Isocyanate Processing | x | x | | | | |
| Petrochemical | x | x | | | | x |
| Textile industry | x | | x | x | x | |
| Electronics/PCB manufacture | x | | x | | x | |
| Building & Construction | x | x | | | x | |
| Purification and Sewage | x | x | x | x | x | |

ecoPAD Filter System



Under the motto SIMPLE, SOLID SAFE the e-breathe develops the next generation of innovative respiratory protection equipment. Because resources are continuously becoming scarcer, more and more focus is placed on the sustainability of products. With the new ecoPAD filter system e-breathe follows this environmentally friendly and goes one step further.

SUSTAINABLE & EFFICIENT: THE ECOPAD SYSTEM ON THE NEW E-FLOW BY E-BREATHE

The e-breathe division developed a reusable filter which was designed with a screw on filter housing to reuse the filter housing and quickly and easily replace the filter fleece. The integrated fleece is exactly the same fleece, which is used in standardized encapsulated filters. The tight fit of the fleece is achieved through a special rubber coating that was developed specifically for the eco-PAD.

The top and the bottom of the filter housing can be connected at once and encloses the particulate fleece firmly. This means that the user has the highest protection against particles and aerosols and the lowest breathing resistance simultaneously.

The new e-Flow from e-breathe integrates the lower part of the filter housing directly onto the „PAD-Box“. The filter fleece is inserted into the integrated housing before using the e-Flow. The fleece will then be firmly closed with the upper part of the filter housing. Depending on the environmental air and the requirements, a particle filter or combination filter can be used.



MODULAR EXCHANGEABLE COMBINATION FILTER:




If the system is used with a combination filter, a modular exchange of the filter parts is possible when one filter is saturated. If necessary, only the particle or gas filter can be replaced separately. This offers the advantage that only the saturated filter needs to be replaced and the other filter can be used until it is saturated.




During the development of the ecoPAD, it was explicitly designed to be particularly flat and lightweight. As a result, only about one third of the space that would be required for the storage of common filters is required for the storage.

The ecoPAD respiratory filters do not only impress with space and cost savings in logistics and storage, but also contribute to the protection of the environment and material budget due to the reusable filter-housing and the modular design.



| PARTICLE FILTER | | | | |
|-----------------------------------|-------------|---|------------|---|
| Filter | Part Number | Protection against: | Color code | Image |
| e-breathe Particle Filter P3 R SL | 322002109 | Unencapsulated Filter Solid and liquid particles of toxic agents, radioactive substances and microorganisms, e.g. bacteria and viruses | |  |
| e-breathe ecoPAD P3 R SL (VPE 5) | 322002110 | Replacement filter media for the e-breathe particle filter | |  |

| GASFILTER | | | | |
|------------------------------|-------------|---|------------|---|
| Filter | Part Number | Protection against: | Color code | Image |
| e-breathe ecoPAD GF A2 | coming soon | Organic gases and vapours, e.g. solvents with a boiling point above 65°C. - replacement Gasfilter-PADs | |  |
| e-breathe ecoPAD GF A2B2 | coming soon | Organic and inorganic gases and vapours. - replacement Gasfilter-PADs | |  |
| e-breathe ecoPAD GF A2B2E2K1 | coming soon | Organic, inorganic and acid gases and vapours as well as ammonia. - replacement Gasfilter-PADs | |  |

| COMBINATION FILTER | | | | |
|--|-------------|--|------------|---|
| Filter | Part Number | Protection against: | Color code | Image |
| e-breathe Combination Filter A2-P3 R / PSL | coming soon | Organic gases and vapours, e.g. solvents with a boiling point above 65°C, solid and liquid particles, radioactive and toxic particles and micro-organisms. | |  |
| e-breathe Combination Filter A2B2-P3 R / PSL | coming soon | Organic and inorganic gases and vapours, solid and liquid particles, radioactive and toxic particles and micro-organisms. | |  |
| e-breathe Combination Filter-A2B2E2K1-P3 R / PSL | coming soon | Organic, inorganic and acid gases and vapours as well as ammonia and organic ammonia derivatives, solid and liquid hazardous particles, e.g. radioactive and toxic substances and micro-organisms. | |  |

| Ersatzte SPARE PARTS & ACCESSORY | | |
|--|----------------------|---|
| Article Name | Part Number | Image |
| e-breathe Filter Cover | 322002131 |  |
| e-breathe Gasfilter - Adapter | Demnächst erhältlich |  |
| Prefilter (VPE 20) | 302052691 |  |
| e-breathe Spark Protection for ecoPAD (Pair) | 322002138 |  |
| Closure Cap for filter threads | 146042507 |  |

PM Atemschutz



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PM Shop

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e-breathe

Development of new PPE

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