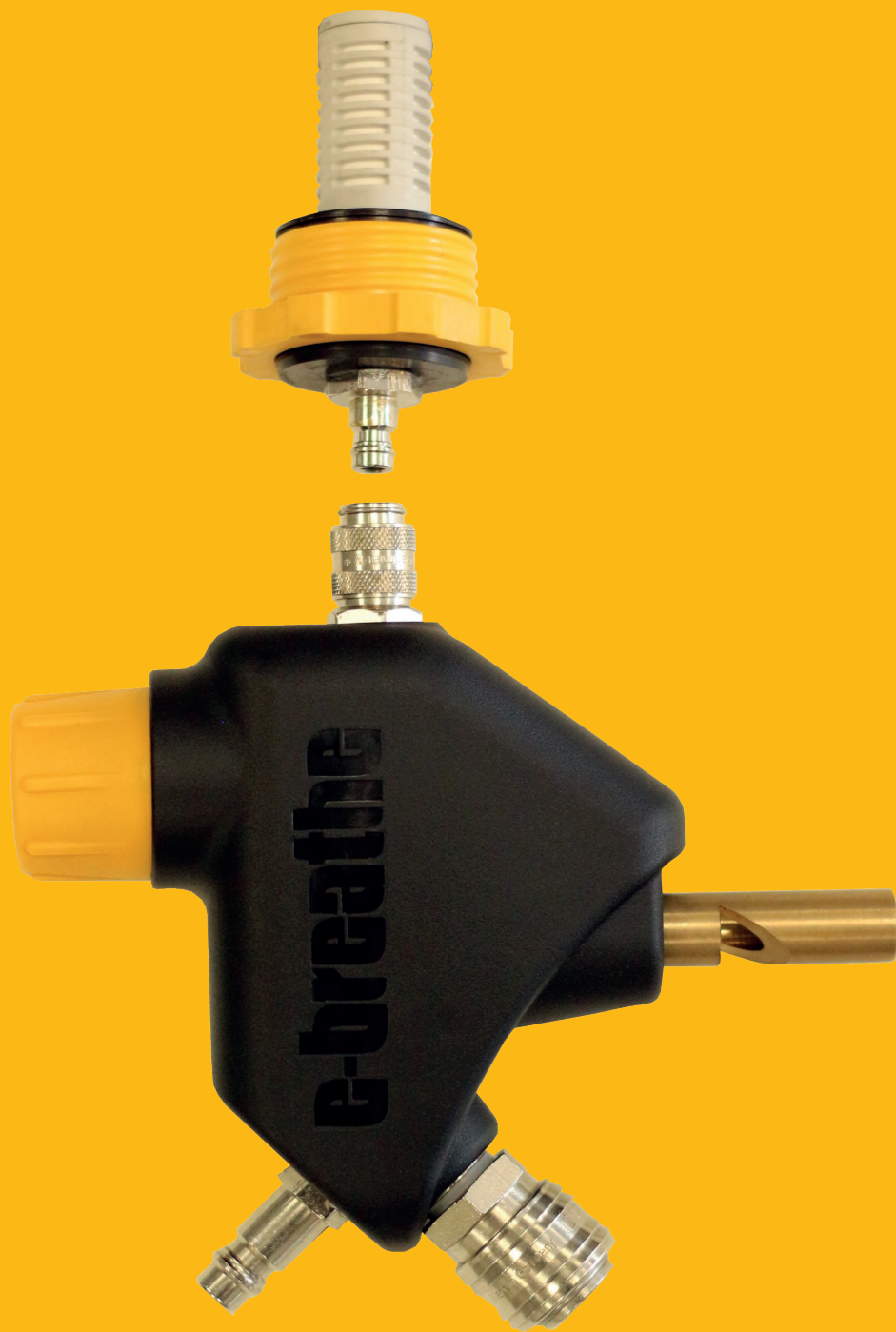


e-breathe e-Line

COMPRESSED AIR

(CA) REGULATOR VALVE



English

e-breathe e-Line

CA Regulator Valve



Combined with an e-breathe headpiece or suit, the e-Line CA Regulator is a compressed air assisted breathing system with a continuous airflow. The e-Line Regulator is worn on a belt.

The required compressed air is generated by a compressor that delivers the compressed air to a filter station in the case of non-respirable and polluted air. The compressed air from the high-pressure network/compressor is converted by the filter station into breathing air for externally ventilated breathing protection systems. The filtered air passes the e-Line compressed air regulator valve through a breathing air hose to the user's head/suit. The generated overpressure in the head section prevents the ingress of harmful substances. The system protects the user reliably against pollutants such as particles, dust, fumes (aerosols), gases and vapours.

Isolating respirators can be used in environments where the use of filtering respirators is not possible as they operate independently of the ambient air. They are used, for example, when the concentration of pollutants exceeds the permitted limit value of the filters or during long, tedious work, as the operating time is not limited by the limited operating times of respiratory filters or battery-powered blower units.

Robust Design:

The e-Line system has a robust and durable construction which reliably protects the control unit inside. Thanks to its smooth surface, the housing is easy to clean. It can be easily opened for quick and easy maintenance.

Compressed Air Hose Adapter:

The union nut on the adapter rotates freely and prevents twisting of the breathing air hose for increased wearing comfort. In addition, an exchangeable silencer is installed in the hose adapter, which limits the noise level to max. 65 dB.

Individual Airflow:

The air flow can be adjusted by pressing the control button. It can be set individually as required by the user from 170 l/min - 280 l/min. This requires an operating pressure of 5-7 bar.

Alarm Device for maximum protection:

The e-Line compressed air control valve has an integrated warning whistle with a loud signal of 90 dB which sounds if the minimum operating pressure or the minimum air flow is not reached.

Various Carrying Devices:

The belt system allows individual adaptation to specific work requirements. The e-Line valve can be mounted on either the right or left side of the belt. Various carrying straps allow a wide range of applications, for example for standard work, welding or decontamination work.

Optional Tool Connection:

The e-Line system can optionally be supplemented with a tool connection to be able to supply compressed air tools or paint spray guns with compressed air. The compressed air and tool connection can be attached either to the left or right and is therefore ideally suited for left- and right-handed users.

Compatibility:

All head pieces and suits from the e-Line system are certified with the e-Flow (PAPR) system. Both systems have the same air hose connections, allowing users to switch between compressed air and filter breathing protection depending on the application. The e-breathe belt, breathing hose and headgear can thus be used with both systems.

The e-Line compressed air regulator valve requires breathable compressed air according to DIN EN 12021 for operation. The e-breathe compressed air filter station for 1-3 users for mobile or stationary use was developed especially for the preparation of technical compressed air.

e-breathe e-Line

CA Regulator Valve



Product Characteristics:

- Ergonomical design with individual adjustment options
- Suitable for right- and left-handed users
- Optional tool connection
- Adjustable air flow from 170-280 l/min
- Operating Pressure 5-7 Bar
- Warning Device in case of insufficient air supply
- Low volume thanks to silencer
- Standard breathing hose connection with DIN round thread for all e-breathe and PM Head Pieces
- Large selection of head pieces, masks and suits
- High breathing comfort and no inhalation resistance

Approvals:

- EN 14593: Class B
- EN 14594: Class B
- PSA Regulation

Areas of application:

- Industrial applications
- Oil, gas, chemical industry
- Pharmaceutical Industry & Laboratories
- Food industry
- Agriculture and Farming
- Machine and metal construction
- Automotive industry
- Welding operations
- Grinding & Spray Painting
- Metalworking industry



e-breathe e-Line CA Regulator Valve



Silencer:
The silencer installed directly at the air outlet of the e-Line valve keeps the noise level in the head section to a minimum.

Compressed Air Adapter:
The freely rotating DIN round thread hose connection prevents twisting of the breathing air hose and is compatible with all e-breathe and PM breathing air hoses.

Safety Coupling:
Two-way safety coupling for quick assembly and safe connection of the CA Regulator Valve CA adapter.

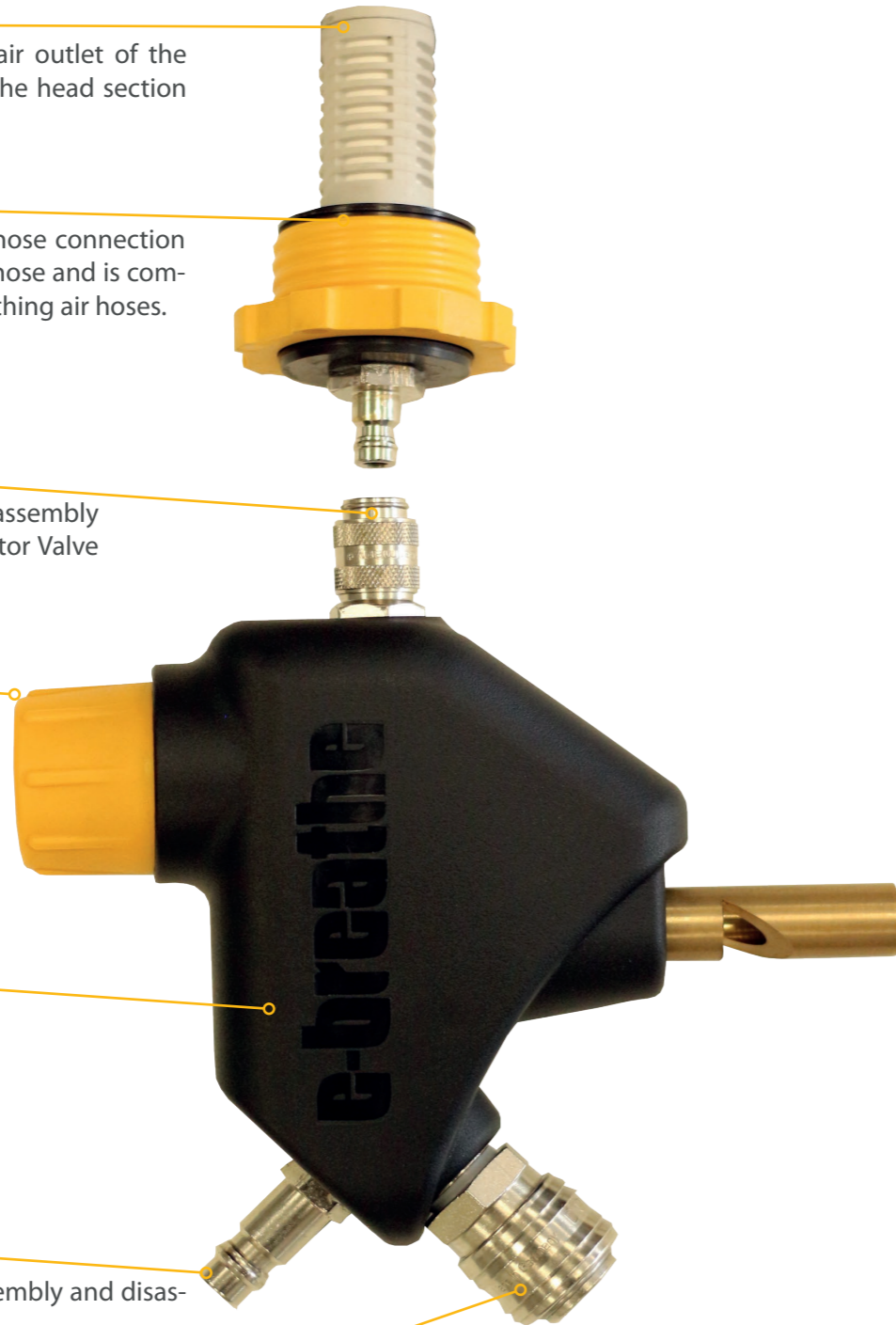
Airflow:
Adjustable control button to adjust the air flow from 170-280 l/min. The built-in safety mechanism prevents accidental adjustment of the air flow.

Design / Material:
Robust and solid PA6 housing protects the components inside. Smooth housing for easy cleaning.

Druckluft-Anschluss:
Easy to reach safety plug for quick assembly and disassembly of the compressed air hose.

Various breathing air safety plugs available.

Tool Connection:
Optional connection for compressed air tools/paint spray guns, which are also supplied with compressed air.



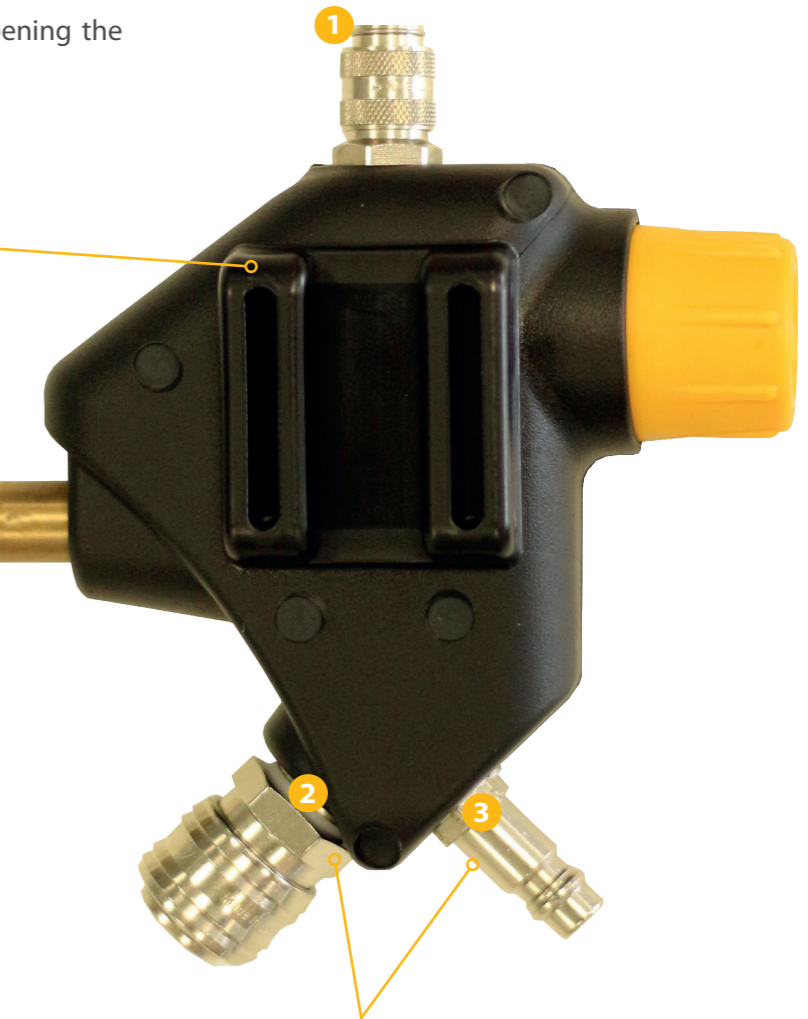
e-breathe e-Line CA Regulator Valve

Maintenance (1-2-3):
Easy to operate and to maintain compressed air control valve.

All external parts can be easily replaced without opening the housing.

Carrying Device:
The e-Line regulator valve can be worn on the right or left side of the belt. The belt holder is compatible with all e-breathe belt systems.

Warning Whistle:
The integrated warning whistle sounds with a loud signal of 90 dB to warn the user when the minimum operating pressure or the minimum air volume is insufficient.



Adjustable for right and left handed users:
The connection side of the compressed air and tool connection can optionally be changed. This makes the e-Line system suitable for right-handed and left-handed users.

**Compatible e-breathes
Compressed Air Filter Station:**
The e-Line compressed air regulator valve requires breathable compressed air according to DIN EN 12021 for operation. The e-breathe compressed air filter station for 1-3 users for mobile or stationary use was developed for the preparation of technical compressed air.





Compressed Air Regulator Valve (CRV): e-breathe e-Line		
Article Name:	Part Number	Image
e-breathe e-Line	322007100	
e-breathe e-Line Basic	322007000	

Accessory & Spare Parts: e-Line CRV		
Article Name:	Part Number	Image
e-breathe CRV Compressed Air Adapter V.1.0	100063794	
e-breathe CRV Silencer	100063990	
e-breathe Union Nut	322991005	
e-breathe CRV Quick Coupling (1/4 AG / for separate compressed air tool)	322007101	
e-breathe CRV Breathing Air Safety Plug (1/4 AG)	322007008	
e-breathe CRV Safety Coupling (1/4 AG / for CA Adapter)	322007009	
e-breathe CRV Blind Plug (1/4 AG / for tool connection)	322007011	
e-breathe Belt Pro (textile)	108062786	
Gurt Decon decontaminable	302062996	
e-breathe Comfort Belt Pro V.2 (textile)	322003003	
PM PSA Rapid Disinfectant	129001000	
Basic spray head for Disinfectant (plastic)	129001001	

If you currently don't use a head piece and a air source, our Ready Packs provide a ready-to-go solution. The Ready-pack includes a complete e-Line compressed air regulator valve (including belt and CRV compressed air adapter) with a head piece in the respective version with matching breathing hose.

Ready-Packs		
Article Name	Art.-Nr.	Image
The Ready-Pack includes: e-Line CA Regulator Valve, Belt, CRV CA Adapter, breathing hose, head piece		
Ready-Pack e-breathe e-Line with Multimask Pro	322007110	
Ready-Pack e-breathe e-Line with Multimask Size M with Multimask Size M/L	3220071 Size M = 20 Size M/L = 30	
Ready-Pack e-breathe e-Line with PM Lab Hood AV Premium	322007140	no image available
Ready-Pack e-breathe e-Line with Multi-Hood Premium & Headgear or Helmetholder	3220071 Helmet =50 Head = 60	no image available
Ready-Pack e-breathe e-Line with PM Panarea Pro	322007170	

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.

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



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 Vollmaske Panarea Pro

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

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



e-breathe Chemical Outside

OVER PRESSURE SUIT



The „e-breathe Chemical Outside“ 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.

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

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

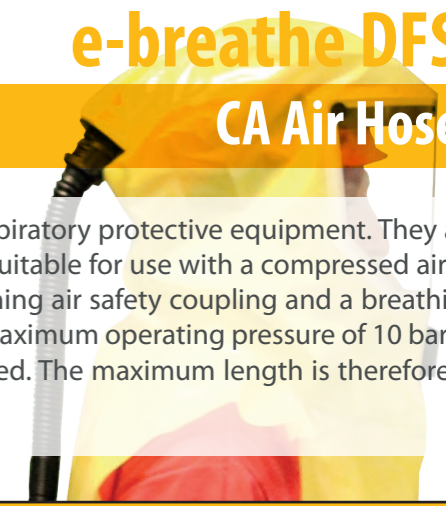


Compatible Products for e-breathe e-Line

HEAD PIECES & SUITS

e-breathe DFS

CA Air Hose



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
PM Chemical Grey Outside	PAPR Protection Suit	70000921x	TH3	3B
e-breathe Splash Outside	PAPR Protection Suit	coming soon	TH3	3B
PM Full Mask Panarea Pro	Full Mask	701007000	TM3*	4B*

The compressed air hoses are breathing hoses that are approved for use with respiratory protective equipment. They are oil and chemical resistant and tested and certified according to EN 14594. They are suitable for use with a compressed air regulator valve and compressed air filter station. All hoses are equipped with a breathing air safety coupling and a breathing air safety plug and can be used at temperatures ranging from -10C° to +60C° and a maximum operating pressure of 10 bar. Please note: The available hose variants and lengths cannot be connected or extended. The maximum length is therefore 30m.

Compressed Air Hoses

Article Name	Art.-Nr.	Image
e-breathe DFS Compressed Air Hose EPDM - 5m - 10m - 20m - 30m	3020611xx 05 10 20 30	
e-breathe DFS Compressed Air Hose PU/PVC - 5m - 15m - 20m - 30m	3020612xx 10 15 20 30	
e-breathe DFS Compressed Air Hose Spiral - 2m - 4m - 6m - 8m	Coming soon	

BREATHING HOSE WITH EN THREAD

Article Name	Number	Material	Compatible with	Image
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	



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

info@pm-ateschutz.de

PM Shop

Online-Shop

www.PM-Atemschutzshop.de

e-breathe

Development of new PPE

www.e-breathe.de

info@e-breathe.de

