

De-breathe

Supplied Air

Respirator (FDS)

The optimal solution for work in containers, silos, slurry pits and biogas plants.



English

e-breathe Supplied Air Respirator (FDS)

Respiratory Protection

Fresh Air Hose Devices are self-contained breathing apparatuses and are predominantly used in contaminated or low-oxygen working areas where the use of normal filter respiratory protection is not possible or where a supply of breathing air via compressed air cannot be established.

An example is in pits or silos due to contamination and/or low oxygen content. For these areas, fresh air hose devices are used, which can be divided into fresh air suction hose devices and fresh air pressure hose devices. Here, the required breathing air from an area outside the contaminated ambient atmosphere is conducted via supply hoses to the breathing connection.

Fresh Air Suction Hose Devices:

In fresh air suction hose units, the required breathing air is sucked through a hose by the lung force of the unit carrier. This creates a negative pressure in the entire system, into which pollutants can enter at possible leaks.

Fresh Air Pressure Hose Devices:

Fresh air pressure hose devices differ essentially from suction hose devices by the fact that the breathing air is supplied to the device under slight overpressure using a blower. This ensures a slight overpressure in the hose and in the downstream device system, which virtually excludes the penetration of pollutants at possible leaks.

Product Characteristics:

The e-breathe fresh air pressure hose device supports the breathing of the wearer using a powered air respiratory and thereby relieves the wearer.

The PAPR is positioned and fixed at the end of the hose in an area free of respiratory toxins. The blower leads the breathable air via the connected breathing tube into the full mask of the wearer. This ensures that the full face mask is constantly supplied with an overpressure of breathable air.

Technical Specifications:

Approvals: (CE certified according to)	e-breathe Supplied Air Respirator (FDS) - PAPR - Particlefilter - Full Face Mask	EN 138 Class 2 EN 12941 / EN 12942 EN 12941 / EN 12942 / EN 143 P3 R / PSL EN 136 Class 3 / EN 12942
Protection Class / VgdW:	Class 2 / 1000	
Air Capacity (automatic readjustment):	Adjustable on the device in three stages: 120 - 140 - 160 l/min Full Mask System	
Airflow Warning:	< 120 l/min Full Mask System	
Battery Warning:	< 15 min remaining runtime	
Battery:	Lithium-Ion Battery: 14,4V / 3,4Ah / 49WH	
Operating Time:	approx. 6 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. 1.100g (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	

2 3



e-breathe Supplied Air Respirator (FDS)

Respiratory Protection

Product Characteristics:

Full Face Mask:

Different full masks are available according to the user's requirements.

Breathing Air Hose:

Breathing air hose with round thread connection according to EN148-1 for full face masks with round thread connection.

multifunctional application options:

In areas where filtering respiratory protection can be used, only the full mask with a respiratory filter can be used as an alternative. For this purpose, the filter is screwed directly into the full face mask. Another alternative would be to use the full face mask with the enclosed e-Flow as a blower filter system. For this you need a separately available blower belt and a breathing air hose for the direct connection of the blower with the full mask. With only one system, the user can switch between an ambient independent isolating device or an ambient dependent filter breathing device, depending on the field of application.

Belt:

Leather belt with freely rotatable quick coupling from the spiral hose to the breathing hose. Optional accessories: textile belt and decon belt.

Air Supply Hose:

The robust and very flexible plastic spiral hose is available in four different lengths (10, 20, 30 or 40m).

Pressure Relief Valve:

A pressure relief valve is attached to the blower to ensure a constant airflow to the carrier.

PAPR:

Operated by the powerful „e-breathe e-Flow“ respiratory protection blower with two e-breathe P3 R / PSL particle filters. With additional accessories (belt & breathing hose), the blower can also be used as a filter device for stall, plant protection or disinfection work.



Ground Anchor:

Robust ground anchor for safe fixation of the blower in a safe area.



e-breathe Supplied Air Respirator (FDS)

PAPR

4

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.

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. It features an intelligent 2-step warning system with acoustic and visual signals and vibration, a replaceable lithium-ion battery with quick charge function and an intelligent monitoring system. The integrated colour display allows the user to view all information such as battery status, filter status, flow rate, next service date and blower running time.

The volume flow can be easily and quickly adjusted to 160 l/min, 180 l/min or 200 l/min by pressing a button



Starter-Pack PAPR e-Flow

Article Name:	Part Number	Image
The Starter-Pack includes: blower unit, PAD box, 2x filter cover, battery, charging station and comfort belt		
e-breathe e-Flow Blower Unit PAD-Box - Full Mask System	322005102	

Partikelfilter

Filter	Part Number	For use against:	Colour Code	Image
e-breathe Particle Filter P3 R SL	322002109	Filter medium for the unencapsulated e-breathe particle filter for use against solid and liquid toxic, radioactive and harmful particles as well as microorganisms such as bacteria and viruses.		
e-breathe ecoPAD P3 R SL (VPE 4)	322002110	Replacement filter media for the e-breathe particle filter / e-breathe e-Flow PAD-Box		

5

e-breathe Supplied Air Respirator (FDS)

PAPR

Accessory & Spare Parts: e-breathe e-Flow

Artikelname	Art.-Nr.	Bild
e-Flow PAD-Box (Box for ecoPAD Filter)	322005001	
e-Flow Filter-Box (Box for Round Thread Filter)	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	302063596	
e-breathe v Pro	322001057	
Belt Textile	108062786	
Belt Decon (easily to decontaminate)	302062996	
PM Storage Box	119458616	
e-Flow Disposable Device Cover - PAD-Box - Filter-Box	3220050xx 04 05	
e-breathe Hose (RT) flexible - hose for a direct connection between e-Flow and full face mask	302711100	
e-breathe Hose (RT) fixed length - hose for a direct connection between e-Flow and full face mask	302711103	

Further accessories on request: decontamination plugs, belt extension and more ...

e-breathe Supplied Air Respirator (FDS)

Respiratory Protection

6 7

e-breathe Supplied Air Respirator (FDS)

PAPR

Starter-Pack e-breathe Supplied Air Respirator (FDS)

Article Name:	Part Number	Image
e-breathe Supplied Air Respirator: <u>Includes:</u> e-Flow with PAD-Box, battery and charging station, breathing hose, leather belt, coupling, pressure relief valve and 4x e-breathe ecoPADs Suitable air supply hoses in different lengths:	322011001	
e-breathe FDS Suction Hose 10m incl. coupling and ground anchor	302011010	
e-breathe FDS Suction Hose 20m incl. coupling and ground anchor	302011020	
e-breathe FDS Suction Hose 30m incl. coupling and ground anchor	302011030	
e-breathe FDS Suction Hose 40m incl. coupling and ground anchor	302011040	
Plus Full Face Mask:		
PM Full Face Mask Panarea Pro	701007000	

Accessory & Spare Parts: e-breathe FDS

Article Name:	Part Number	Image
e-breathe FDS Pressure Relief Valve	900014815	
e-breathe FDS Leather Belt	190062790	
e-breathe Belt Pro (textile)	108062786	
e-breathe FDS Hose-/Belt Unit PU flexible	302011005	
e-breathe FDS Hose-/Belt Unit EPDM	302011004	
e-breathe FDS Ground Anchors	154014901	
PM Storage Box	119458616	
e-breathe FDS Storage Box + Lid for the entire FDS unit incl. suction hose	117000200	
PM PSA Rapid Disinfectant	129001000	
Basic spray head for Disinfectant (Plastic)	129001001	
Optional Accessories: Safety harness & safety rope (optimal to secure the entrance to slurry pits and silos):		
Safety harness	140255902	
Safety harness with snap hook 20m 40m	140255920 140255921	

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-atemschutz.de

PM Shop

Online-Shop

www.PM-Atemschutzshop.de

e-breathe

Development of new PPE

www.e-breathe.de

info@e-breathe.de

