

PRODUCT DATA SHEET

Product type

PAPR

Model name

e-breathe e-Flow PAD-Box

Item number

322005100 | 322005102

PRODUCT DESCRIPTION

The e-breathe e-Flow system is a powered air-purifying respirator that forms part of a fan-assisted respiratory protection system in accordance with EN 12941: 2009 or EN 12942: 2009 when used in conjunction with respiratory protection filters, a breathing air hose and a headpiece/breathing connection. The filter-equipped PAPR draws in contaminated air, filters out the contaminant and, depending on the filters used, provides protection against particles, unpleasant odours, gases and vapours. Breathable air is delivered to the wearer via a breathing tube to the headpiece (suit, full mask, half mask, pressurised hood). Environmental contaminants are prevented from entering the headpiece by the resulting overpressure.



TECHNICAL DATA

INFORMATION	E-FLOW HOOD-SYSTEM	E-FLOW FULL FACE MASK-SYSTEM	E-FLOW HALF FACE MASK-SYSTEM
Approvals	EN 12941 (TH2 / TH3)	EN 12942 (TM2/TM3)	EN 12942 (TM2/TM3)
Protection Class, NPF / APF	TH2 50/20; TH3 500/100	TM2 200/100; TM3 2000/500	TM2 200/100; TM3 2000/500
IP Protection Class	IP65 with Decon caps	IP65 with Decon caps	IP65 with Decon caps
Air flow	160 - 180 - 200 l/min Adjustable on the device in three stages.	120 - 140 - 160 l/min Adjustable on the device in three stages.	80 - 100 - 120 l/min Adjustable on the device in three stages.
Battery Technology	Lithium-ion 14.4 V / 3.4 Ah / 49WH	Lithium-ion 14.4 V / 3.4 Ah / 49WH	Lithium-ion 14.4 V / 3.4 Ah / 49WH
Guaranteed Charging Cycles	500	500	500
Operating Time**	Approx. 8 to 10 hours (Depending on the concentration of pollutants, air flow, breathing connection)	Approx. 8 to 10 hours (Depending on the concentration of pollutants, air flow, breathing connection)	Approx. 8 to 10 hours (Depending on the concentration of pollutants, air flow, breathing connection)
Battery Charging Time	Quick Charge Function 80% in 1 hour Fully charged in approx. 2.5 hours	Quick Charge Function 80% in 1 hour Fully charged in approx. 2.5 hours	Quick Charge Function 80% in 1 hour Fully charged in approx. 2.5 hours
Battery Charger	Input: 90 - 264 VAC 47-63HZ; Output: 18V max. 2220 mA; as single or multi-charger	Input: 90 - 264 VAC 47-63HZ; Output: 18V max. 2220 mA; as single or multi-charger	Input: 90 - 264 VAC 47-63HZ; Output: 18V max. 2220 mA; as single or multi-charger
Weight	approx. 1100g (with battery, without filter/belt)	approx. 1100g (with battery, without filter/belt)	approx. 1100g (with battery, without filter/belt)
Volume	< 65 dB	< 65 dB	< 65 dB
Alarm System	Visual alarm (display with error code) Audible alarm (≥ 75 dB) Vibration alarm	Visual alarm (display with error code) Audible alarm (≥ 75 dB) Vibration alarm	Visual alarm (display with error code) Audible alarm (≥ 75 dB) Vibration alarm
Motor	Brushless motor, EBM-Pabst	Brushless motor, EBM-Pabst	Brushless motor, EBM-Pabst
Display	Display with indication of operating functions	Display with indication of operating functions	Display with indication of operating functions
Material	PAPR: High Performance PCABS / TPE Belt: Textile part - polyester/nylon/rubber Buckle: Polyamide or metal	PAPR: High Performance PCABS / TPE Belt: Textile part - polyester/nylon/rubber Buckle: Polyamide or metal	PAPR: High Performance PCABS / TPE Belt: Textile part - polyester/nylon/rubber Buckle: Polyamide or metal
Operating Temperature Range	-10 °C to +55 °C <70% relative humidity	-10 °C to +55 °C <70% relative humidity	-10 °C to +55 °C <70% relative humidity
Storage Conditions	0 °C to +30 °C <70% relative humidity	0 °C to +30 °C <70% relative humidity	0 °C to +30 °C <70% relative humidity
Filter Connection	e-breathe Special Filter Connection	e-breathe Special Filter Connection	e-breathe Special Filter Connection
Hose Connection	RD40 EN148-1	RD40 EN148-1	RD40 EN148-1

FEATURES



100 % MADE IN GERMANY

Development, Manufacturing and Production in Germany.

Technical support / Service centre



Service and support at our service centre in NRW (Germany) or by our mobile service team at your premises.

Large selection of Headpieces & Breathing Connections



Our range of compatible breathing connections includes Hoods, Face Shields, Half & Full Face Masks, Breathing Suits

Adjustable Airflow



The air flow can be increased or reduced in three different stages at the touch of a button, depending on the head section selected.



Intelligent Alarm System

Audible and visual alarm as well as vibration alarm in the event of low battery power and/or insufficient airflow

Protection Class IP65



Suitable for decontamination showers (IP54) when filter covers are used, and submersible for short periods (IP67) when cleaning plugs are attached

Replaceable Battery with Lithium-Ion Technology



The battery can be replaced with a simple click. Thanks to the quick-charge function, the battery charges up to 80% in 1 hour, full charge in 2.5 hours.



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EXPLODED DRAWING



PARTS LIST, SPARE PARTS & ACCESSORIES

Component	No.	Article name	Article number
Blower Unit	1	e-breathe e-Flow PAD-Box als Haubensystem 160-180-200 l/min	322005100
	1	e-breathe e-Flow PAD-Box als Vollmaskensystem 120-140-160 l/min	322005102
Battery	3	e-Flow Battery V. 3.0 Li-Ion 14,4 V / 3,4 Ah / 49WH	322002236
Charger		e-breathe e-Flow Charging Station	322005003
Carrying Systems		e-breathe Comfort Belt Pro V.2.1 (textile)	322003003
		e-breathe Shoulder Strap Pro V.2.1	302063596
		e-breathe Back Support Plate Pro V.2.0	322001057
		e-breathe Belt Pro (textile, 40 mm)	108062786
		e-breathe Belt Pro (textile, 40 mm) - with Metal Buckle T9	108062787
		e-breathe Belt Decon	302062996
		e-breathe Shoulder Strap (decontaminable)	302001012
Filter		e-breathe Particle Filter P3 R / PSL	322002109
		Combination Filter - e-breathe A2-P3 R / PSL	322012147
		Combination Filter - e-breathe A1B2E1K1-P3 R / PSL	322012146
	7	e-breathe ecoPAD P3 R / PSL	322002110
	8	Gas Filter - e-breathe ecoPAD GF A2	322002144
	9	Gas Filter - e-breathe ecoPAD GF A1B2E1K1	322002143
Accessories	10	e-breathe Filter Cover (Piece)	322002131
		e-breathe Filter Holder (Piece)	322002128
	12	e-breathe Gas Filter - Adapter (Piece)	322002246
		e-breathe Prefilter Holder (Piece)	322052606
		e-breathe Prefilter (PU 20)	302052691
		e-breathe Decon Shower Cap (Piece)	322002224
		e-breathe Spark Arrester Inserts for ecoPAD (Pair)	322002138
		e-breathe e-Flow Disposable Device Cover - PAD-Box (Limited Use)	322005004
		e-breathe e-Flow Heat Protection Cover - PAD-Box	223100402
		PM PPE RescueClean F1 Disinfectant	129001000
		e-breathe e-flow Cleaning- / Storage-Kit - PAD-Box (Deconset)	500510049
		e-breathe Service Box	119458610