




EC-Type Examination Certificate

- Directive 94/9/EG -


Equipment and protective systems intended for use
in potentially explosive atmospheres

BVS 10 ATEX H 021 X

- (4) **Equipment:** Compressed-air respiratory system PAS Lite/PSS 3000
- (5) **Manufacturer:** Draeger Safety UK Ltd.
- (6) **Address:** Blyth Riverside Business Park,
Blyth, Northumberland, NE24 4 RG, UK
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the schedule to this type examination certificate.
- (8) The certification body of DEKRA EXAM GmbH, Notified Body No. 0158 according to Article 9 of Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in the test and assessment report PP 10EXAM 10406 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- DIN EN 13463-1:2009, Nicht-elektrische Geräte für den Einsatz in explosionsgefährdeten Bereichen, Teil 1: Grundlagen und Anforderungen
 - DIN EN 13463-5:2004, Nicht-elektrische Geräte für den Einsatz in explosionsgefährdeten Bereichen, Teil 5: Schutz durch konstruktive Sicherheit „c“
 - CLC TR50404:2003, Electrostatics – Code of practice of avoidance of hazards due to static electricity
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 **I M1**
II 1GD IIB T6 -30 °C ≤ Ta ≤ +60 °C

or

 **I M1**
II 1GD IIC T6 -30 °C ≤ Ta ≤ +60 °C

DEKRA EXAM GmbH

Bochum, dated 11th November.2010

Signed: Migenda

Certification body

Signed: Hübner

Special services unit



(13)

Appendix to

(14)

EC-Type Examination Certificate

BVS 10 ATEX H 021 X

(15) 15.1 Subject and Type

Compressed-air respiratory system: PAS Lite/PSS 3000

15.2 Description

The compressed-air respiratory system PAS LITE/PSS 3000 is a respiratory protection mask that operates independently of the ambient air and that supplies the user with breathing air from compressed-air bottles with a filling pressure of 200 bar or 300 bar. Compressed-air respiratory apparatuses are used for all sorts of jobs and rescue missions which last not longer than 45 minutes the most.

The equipment combines a carrier system with pressure reducer, a compressed-air bottle, an automatic lung ventilator, a respiratory protection mask as well as accessories that are listed in the table below:

Dräger PAS LITE/PSS 3000

All parts and components listed below meet the requirements for equipment marked as follows:

I M1

I M1

II 1 GD IIC T6 $-30^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and II 1 GD IIB T6 $-30^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and

I M1

II 1 GD IIA T6 $-30^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$

Component	Description	Part No
Backplatte/ Harness	Backplate & Harness PAS Lite	3358566
	Backplate & Harness PSS 3000	3358567
	Backplate & Harness PSS 3000 (without waist pad)	3358568
	Backplate & Harness PAS Lite (without rubber boot)	3358856
	Backplate & Harness PSS 3000 (without rubber boot)	3358857
	Backplate & Harness PSS 3000 (without waist pad or rubber boot)	3358858
Reducer Assembly	200 / 300 bar with G5/8 DIN Handwheel	3354893
	200 / 300 bar with G5/8 DIN Handwheel and whistle	3356613
	200 / 300 bar with Italian Handwheel	3358103
	200 / 300 bar with Italian Handwheel and whistle	3358104
	200 / 300 bar with French Handwheel	3356483
	200 / 300 bar with French Handwheel and whistle	3356663
	300 bar with ChargAir G 5/8 DIN Handwheel	3357889
	300 bar with ChargAir G 5/8 DIN Handwheel and whistle	3358102
Medium Pressure Hose	Shoulder MP QRC hose	3358100
	LDV PLUS/PSS N direct connect	3398711
	LDV PLUS/PSS A direct connect	3338702
	LDV PLUS/PSS AE direct connect	3338708



Component	Description	Part No
Gauge & Hose Assy's	Mechanical Gauge + Hose + whistle	3357715
	Mechanical Gauge + Hose	3358169
	Flashing Gauge + Hose + whistle	3358474
	Flashing Gauge + Hose	3358475
	Electronic Bodyguard II (Button Mode) + Hose + whistle	3358393
	Electronic Bodyguard II (Button Mode) + Hose	3358394
	Electronic Bodyguard II (Tally Mode) + Hose + whistle	3358395
	Electronic Bodyguard II (Tally Mode) + Hose	3358396
	Mechanical Gauge + Hose + HUD Transmitter + whistle	3358680
	Mechanical Gauge + Hose + HUD Transmitter	3358397
	Flashing Gauge + Hose + HUD Transmitter	3358679
	Flashing Gauge + Hose + HUD Transmitter + whistle	3358398
	Electronic Bodyguard II (Button Mode) + Hose + HUD Transmitter	3358677
	Electronic Bodyguard II (Button Mode) + Hose + HUD Transmitter + whistle	3358399
	Electronic Bodyguard II (Tally Mode)+ Hose + HUD Transmitter	3358678
	Electronic Bodyguard II (Tally Mode)+ Hose + HUD Transmitter + whistle	3358400
	Facemasks	Panorama Nova family - RA, PE, ESA, P (Triplex Visor-L)
Panorama Nova family - S-RA, PE, ESA, P (Triplex Visor-L)		FR00026
FPS 7000 -RA, (PE, ESA) P (Polycarbonate Visor coated - PCas)		R56401

Component	Description	Part No	
Additional Components	Plus/PSS N	3350501	
	Plus/PSS Ng	3338969	
	Plus/PSS A	3338700	
	Plus/PSS A -F (debris screen)	3358175	
	Plus/PSS Ag	3338700/ 3338967	
	Plus/PSS AE	3338706	
	Plus/PSS AEg	3338706/ 3338969	
	Plus/PSS ESA	3351302	
	Plus/PSS ESAg	3351333	
	Plus/PSS Rescue N (1,75m hose)	3350606	
	H2S resistant Diaphragm	3338751	
	Pressure Cylinders acc. PED Matrix	B01001	
	Pressure Cylinders acc. Blyth Matrix	3355923	
	6,8L 300bar Cylinder with EFV Valve (PED Fischer Gase)	3358362	
	Cylinder Cover - Nomex	3310622, 3310623, 3310624	
	Cylinder Cover - PVC	3310619, 3310620, 3310621	
	Cylinder Cover - Moulette (anti-static)	3336153	
	Rescue coupling hose LF (female coupling)	3358090	
	2nd Medium Pressure Combined connector (secured)	3358094	
	Male Decon Hose (inlet connector)	3358095	
	2nd Medium Pressure Combined connector	3358091	
	2nd Medium Pressure Combined connector (Hansen Male secured)	3358092	
	2nd med pressure inlet connector (male secured)	3358093	
	ASV assembly (Permanent Fit)	3358850	
	ASV assembly (Permanent Fit) CPS	3358874	



Component	Description	Part No
Additional Components	Demand valve holder - ESA	3351655
	LDV Holder -A	3339633
	LDV Holder - A (factory fitted)	3357525
	LDV Holder - A (spare)	3357527
	LDV Holder - AE (factory fitted)	3357391
	LDV Holder - AE (spare)	3357528
	LDV Holder - N / ESA (factory fitted)	3357524
	LDV Holder - N / ESA (spare)	3357526
	Hose Clip	3357947
	Hose clip	3357795
	Hose Clip	3357745
	Gauge Retaining Clip	3352089
	Hose Clip	3358623
	D-ring Loop waistbelt	3334968
	D-ring and loop	3335241
	Double D-Ring Loop waistbelt	3337554
	Carabiner	3357636
	D-Ring	R17905
	Cheststrap	3339280
	Telemetry for Bodyguard II	3356677
	FPS7000 IN-MASK HUD receiver unit	3355654
	PSS Rescue Hood Kit	3354982
	Hose loop	3337088
	Hose Loop	3339626
	RFID Tag	R56375
	RFID Bung (LDV)	3358110
	Cylinder Collar (for RFID tag transponder disk)	3358111
	Webbing Tidy	3358179
	Waist Pad	3357753
	Waist Belt (polyester / rubber)	3358843
	Label Material	3353296

All parts and components listed below meet the requirements for equipment marked as follows:

I M1

I M1

II 1 GD IIB T6 $-30^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ and II 1 GD IIA T6 $-30^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

Component	Description	Part No
Facemasks	Panorama Nova family - RA, PE, ESA, P (Polycarbonate Visor-PC)	FR00016
	Panorama Nova family - S-RA, PE, ESA, P (Polycarbonate Visor-PC)	FR00026
	Futura / f 2 family - RA, PE, ESA P (Polyamid Visor-PA)	R29303
	Futura / f 2 family - S-RA, PE, ESA, P (Polyamid Visor-PA)	R29325
	FPS 7000 family - RA, (PE, ESA), P (Polycarbonate Visor)	R56401



(16) Test and Assessment Report

PP 10EXAM 10406 EG, as of 11th November 2010

(17) Special Conditions for Safe Use

Only parts and components listed in the tables under (15) above must be used in potentially explosive atmospheres. The parts and components selected must be suitable for the equipment with the relevant marking.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, Germany, 11th November 2010
10EXAM 10406

DEKRA EXAM GmbH

A handwritten signature in cursive script, appearing to read 'Aliyenda', written over a horizontal line.

Certification body

A handwritten signature in cursive script, appearing to read 'Aliyenda', written over a horizontal line.

Special services unit