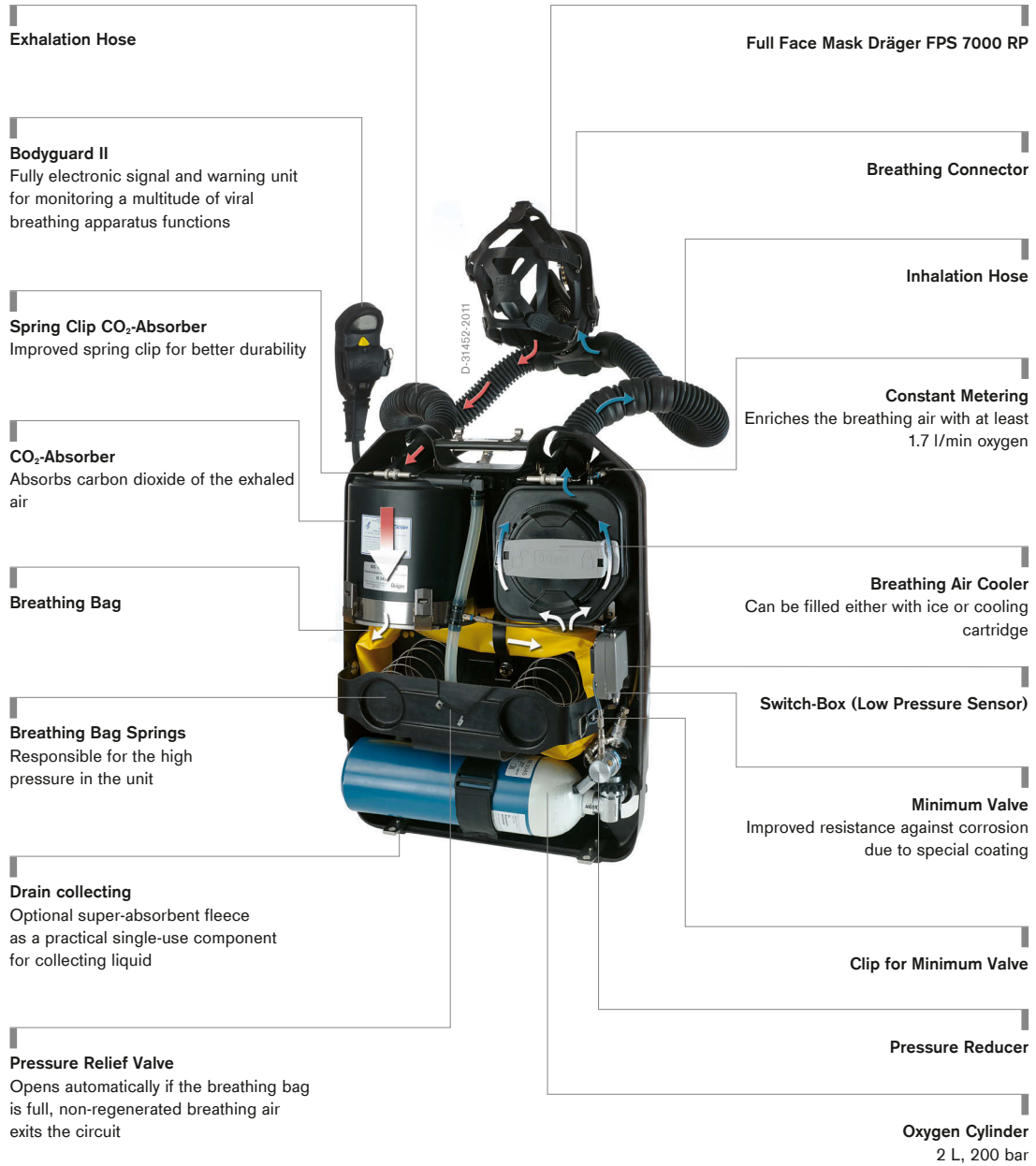


Dräger PSS® BG 4 plus Closed Circuit Breathing Apparatus

Designed especially for tough missions: The Dräger PSS® BG 4 plus closed circuit breathing apparatus combines uncompromising safety with the highest level of breathing and carrying comfort. The positive pressure unit supplies the wearer with up to four hours of breathing air, even in toxic atmospheres.



Dräger PSS® BG 4 plus



Benefits

Optimised together with our customers

We believe that our products can only fit the needs of our customers when we listen to their desires and specifications. This is why we include them in the development and design process. The modifications on the proven Dräger PSS BG 4 represents the results of practical experience, constant performance evaluations and the highest quality standards. The result is the Dräger PSS BG 4 plus. Numerous optimizations, as well as new attachments have increased its safety, longevity and ease of maintenance. The modifications can, when desired, be individually ordered or as a practical upgrade kit.

Perfectly made for long-duration deployment

The positive pressure breathing circuit protects the wearer by preventing hazardous substances from entering the sealed breathing system. Depending on the applications, the duration of use is up to four hours. A CO₂ absorber removes carbon dioxide from the exhaled air. At the same time, the breathing air is enriched with oxygen from the oxygen cylinder. Before the regenerated breathing air is inhaled again, it flows through the breathing air cooler.

More breathing and working comfort

The minimum valve, which enriches the breathing air with additional oxygen upon demand, has been treated with a special coating to protect against corrosion. A redesigned clip simplifies the fastening of the valve. The area around the pressure reducer has been strengthened and additional reinforcement protects the carrying plate, providing greater stability when handling the unit complete with oxygen cylinder. To reduce the temperature of the inhaled air and minimize physical stress for the wearer, the breathing air cooler can also be filled either with ice or a re-generating cooling cartridge.

New features that make sense

Newly-developed heat protection for the breathing hose and housing are also optionally available to further reduce the temperature of the inhaled air. A T-piece with water trap can be attached to the facemask to prevent water from collecting in the flow area of the device. Any liquid discharged into the breathing circuit from the drain valve is optionally collected in an extra-absorbent fleece. The fleece is designed for single use and is easily disposed.

Breathing air cooler without ice

The cooling cartridge as an alternative to ice and can be used for a variety of applications with only three hours of recharging time necessary. The cooling cartridge can be easily exchanged and used unlimited.

Benefits

Reliable CO₂ absorption

The simple CO₂ absorber comes complete with an integral dust filter for more operational convenience. The CO₂ absorber is available as either a single use absorber or refillable cartridge. The development and production of Drägersorb® 400 soda lime along with the PSS BG 4 plus ensures the safety of the user and the long duration breathing supply.

Proven wearing comfort

The ergonomically shaped carrying plate with its lightweight harness, adjustable shoulder straps and easy to use "pull forward" waist belt provide more freedom of movement. The practical breathing hose routing across the shoulders ensures for ideal balance on the wearer's back.

Ideal respiratory monitoring

The data captured by the Dräger Bodyguard II electronic monitoring unit can be transmitted to Dräger PSS Merlin Telemetry Boards or Merlin Modem. This telemetric monitoring and communications system displays the Bodyguard data for each of the wearers who are logged on. As a result, entry control personnel are able to view the current status of each of the device wearers and can respond immediately in case of an emergency.

System Components



D-386692-2015

Dräger RZ 7000

Easy to use: With the Dräger RZ 7000 you can carry out the function and leak tests of the Dräger BG ProAir and PSS® BG 4 plus easier and faster than ever before.

System Components



D-23531-2009

Test kit

With all adapters required for testing the Dräger PSS® BG 4 plus

R33777



D-32472-009

Dräger FPS® 7000 RP

Dräger plug connection for closed-circuit breathing apparatus



D-44860-2015

Dräger FPS®-COM 5000 (RP)

The Dräger FPS®-COM 5000 communication unit has been specifically developed for the full-face mask Dräger FPS® 7000 and ensures clear communication through a voice amplifier unit or radio device – even under extreme conditions.



D-18633-2010

Panorama Nova® RP

Safe, comfortable full face mask in various designs, mask body made from EPDM.

Accessories



D-23547-2009

Heat protection

For breathing hoses and housing, reduces the temperature of the inhaled air when fire fighting

Hoses: R 34 745

Housing: R 34 646



D-23521-2009

Filling station

R 33 752



D-43012-2012

Cooling cartridge

No ice necessary, unlimited use, reactivated after 3 hours. Placed in standard cooler

R 34 746



D-23527-2009

Dust filter

(200 off)

R 35 754

Accessories



Freezer canister cooler Dräger PSS® BG 4

To produce ice plugs

R 33 999



Isolation for Dräger PSS® BG 4

For operations with temperatures under -15°C

R 34 498



Antifog Spray

Prevent fogging of visor FPS® 7000 RP

R 56 542



Merlin Radio Kit

Europe (869.5 MHz)

33 54 430

Merlin Radio Kit US (450 – 470 MHz)

33 56 185

Accessories



Drink container CamelBak® Pakteen

R 57 990



Training adapter

The new BG 4 training adapter offers a cost-effective training for the user by saving soda lime, oxygen and cleaning of the BG 4.

R 34 800



Drägersorb® 400

Drägersorb® 400 is used to absorb acid gases, such as carbon dioxide (CO₂), in closed or semi-closed circuit breathing apparatus.



Dräger CO₂ absorber

Single-use cartridge

R 34 360

Accessories



D-23520-2009

Dräger CO₂ absorber

Refillable cartridge, transparent

R 34 367



D-11210-2011

Dräger oxygen cylinder

With different thread connections

2 L, 200 bar

CFK: B 10 222

Steel: B 10 221

US: B 30 229

Canada: B 30 230

Technical Data

Dräger PSS® BG 4 plus

Duration of use	4 h according to EN 145 and NIOSH
Weight, ready for use (kg/pound)	15 kg / 33.07 pounds (incl. mask, full oxygen cylinder, CO ₂ absorber and approx. 1.2 kg / 2.65 pound ice)
Dimensions (H x W x D) (mm/inch)	595 x 450 x 185 mm / 23.43 x 17.72 x 7.28 inches
Constant oxygen metering (l/min O ₂)	1.5 to 1.9
Minimum valve (l/min O ₂)	> 80
Breathing bag volume (l)	5.5
Bypass valve (l/min O ₂)	> 50
Operating temperatures	-40 °C / -40 °F to +90 °C / +194 °F (if stored at room temperature)
Approvals	EN 145, Ex protection according to EN IEC 60079, Eex IIC T4, Eex ial and NIOSH

Ordering Information

Dräger PSS® BG 4 plus

Dräger PSS® BG 4 plus EP	High pressure, European approval with CE mark and G3/4#–Connecting thread	R 34 601
Dräger PSS® BG 4 plus FEP	High pressure, European approval with CE mark and M24 x 2 Connecting thread	R 34 602

Further variants can be found in the price list or are available on request.

Required for operation

Dräger FPS® 7000 RP-EPDM-M2-PCas-EDM	Full face mask with central connecting for closed circuit breathing apparatus Dräger PSS® BG 4 plus. Mask body, inner mask and head harness made of EPDM. With antiscratch coated polycarbonate visor and wiper. Available as an option is the CamelBak® drinking system.	R 56 326
Dräger Panorama Nova® EPDM RP PC	Full face mask with plug-in connection, polycarbonate visor and wiper for closed circuit breathing apparatus. Approved for mining and fire departments, tested for EN 136 with CE mark.	R 53 306

You can find other equipment varieties in the price list or per request

Communication

Mask integrated communication unit Dräger FPS®-COM 5000	Optionally, the FPS®-COM 5000 can be fitted to FPS® 7000 RP to provide voice amplifiers and the possibility to connect to various tactical radios. Both features enable crystal clear communication and make the overall incident safer and more efficient.	
	Dräger FPS® 7000 RP with Dräger FPS®-COM 5000	R 62 703
	Upgrade kit	R 62 700

Interface for Bodyguard II

Dräger Bodyguard IR-Link software with cable and RS232 connection	For configuring and analysing of the Bodyguard II. Can be connected using normal USB-RS232 adapter	33 51 342
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Notes

Notes

Not all products, features, or services are for sale in all countries.
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

REGION EUROPE

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA PACIFIC

Draeger Singapore Pte. Ltd.
61 Science Park Road
The Galen #04-01
Singapore 117525
Tel: +65 6872 9288
Fax: +65 6259 0398
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA

Draeger Panamá Comercial
S. de R.L.
59 East Street, Nuevo Paitilla,
House 31, San Francisco Town
Panama City, Panama
Tel +507 377-9100 / Fax -9130
servicioalcliente@draeger.com

Locate your Regional Sales
Representative at:
www.draeger.com/contact

