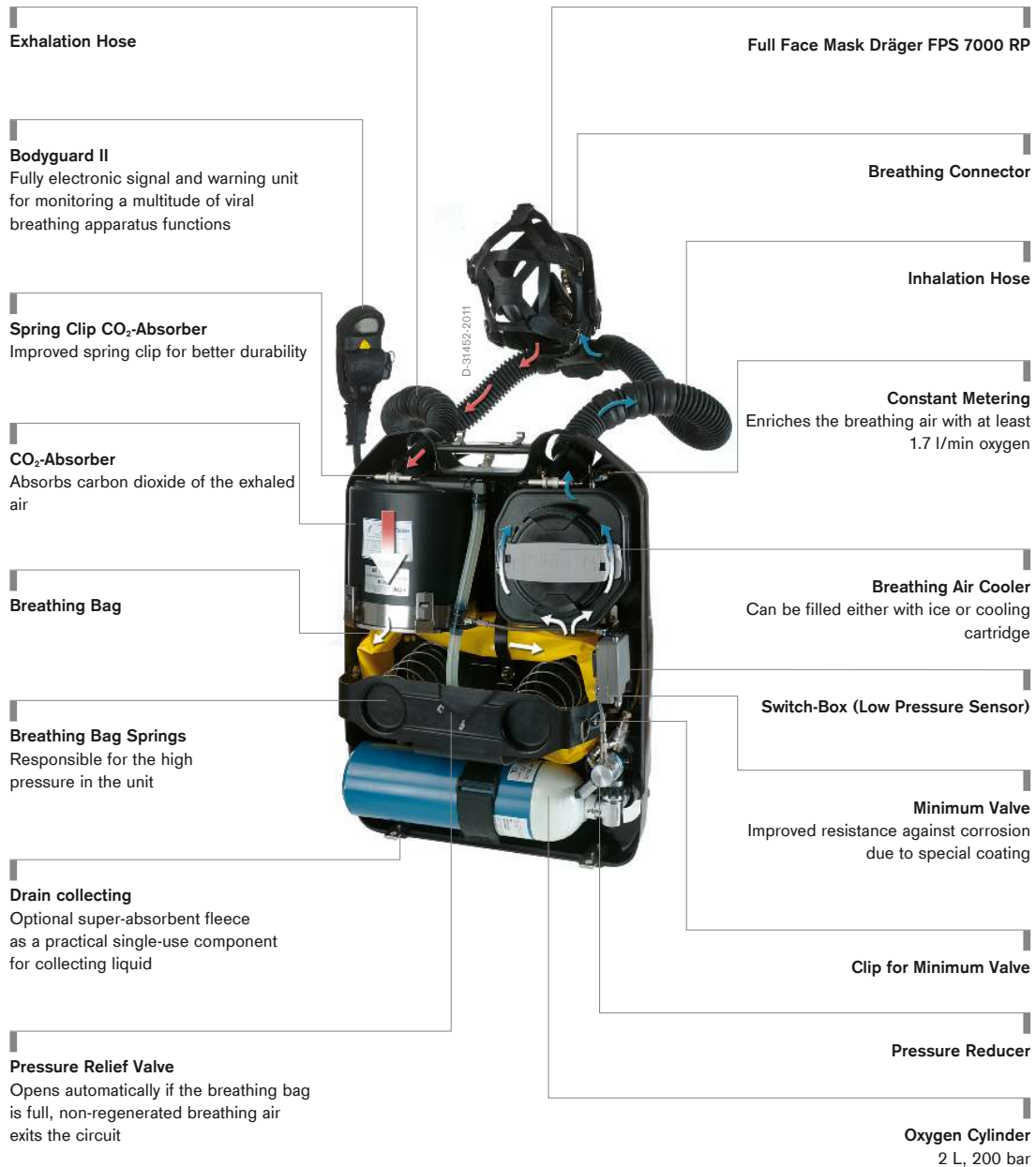


## Dräger PSS® BG 4 plus Closed Circuit Breathing Apparatus

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

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### 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.

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### 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 CO<sub>2</sub> 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.

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### 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.

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### 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.

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### 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

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### Reliable CO<sub>2</sub> absorption

The simple CO<sub>2</sub> absorber comes complete with an integral dust filter for more operational convenience. The CO<sub>2</sub> absorber is available as either a single use absorber or refillable cartridge. The development and production of Dräger<sup>®</sup> 400 soda lime along with the PSS BG 4 plus ensures the safety of the user and the long duration breathing supply.

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### 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.

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### 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

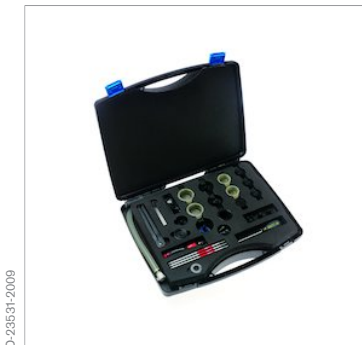


D-386692-2015

### 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



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.

## Accessories



D-23547-2009

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### Heat protection

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



D-23521-2009

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### Filling station



D-43012-2012

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### Cooling cartridge

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



D-23527-2009

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### Dust filter

(200 off)

## Accessories



D-23532-2009

### Freezer canister cooler Dräger PSS® BG 4

To produce ice plugs



D-23542-2009

### Isolation for Dräger PSS® BG 4

For operations with temperatures under -15°C



D-23537-2009

### Antifog Spray

Prevent fogging of visor FPS® 7000 RP



D-23533-2009

### Merlin Radio Kit

Europe (869.5 MHz)

Merlin Radio Kit US (450 – 470 MHz)

## Accessories



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**Drink container CamelBak® Pakteen**



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**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.



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**Drägersorb® 400**

Drägersorb® 400 is used to absorb acid gases, such as carbon dioxide (CO<sub>2</sub>), in closed or semi-closed circuit breathing apparatus.



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**Dräger CO<sub>2</sub> absorber**

Single-use cartridge



## Accessories

D-23520-2009



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### Dräger CO<sub>2</sub> absorber

Refillable cartridge, transparent

D-37294-2021



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### Dräger oxygen cylinder

With different thread connections  
2 L, 200 bar

## 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 <sub>2</sub> 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 <sub>2</sub> ) | 1.5 to 1.9  |
| Minimum valve (l/min O <sub>2</sub> )            | > 80  |
| Breathing bag volume (l)                         | 5.5   |
| Bypass valve (l/min O <sub>2</sub> )             | > 50  |
| Operating temperatures                           | -40 °C / -40 °F to +90 °C / +194 °F<br>(if stored at room temperature)  |
| Approvals  | EN 145, Ex protection according to EN IEC 60079, Eex IIC T4, Eex iaI 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<br>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 |
|---|---|----------|

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

### Communication

|  |   |          |
|--|---|----------|
| Mask integrated communication unit<br>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.<br>Can be connected using normal USB-RS232 adapter | 33 51 342 |
|---|---|-----------|

## Ordering Information

### Oxygen Cylinder

|                             |                               |           |
|-----------------------------|-------------------------------|-----------|
| Oxygen Cylinder 2L 200 bar  | thread connection W21.8x1/14" | R 35 218  |
| Oxygen Cylinder 2L 200 bar  | thread connection M24x2       | R 35 219  |
| Oxygen Cylinder 2L 200 bar  | thread connection G3/4"       | R 35 220  |
| Oxygen Cylinders 2L 200 bar | configurator                  | R 36 0310 |

## Notes

Not all products, features, or services are for sale in all countries.  
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