

PRESS RELEASE

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Time matters: BG ProAir helps emergency response personnel breathe longer

New Dräger closed circuit breathing apparatus designed for long-duration deployment

- Positive pressure breathing circuit for increased protection against hazardous substances
- Smart carrying system distributes the weight of the apparatus evenly
- Various cooling options and lower breathing resistance make breathing easier

The Dräger BG ProAir closed circuit breathing apparatus protects emergency response personnel from fire services and mine rescue teams during longer duration missions. To prevent hazardous substances in the ambient air from entering the sealed breathing system, the Dräger BG ProAir continually provides the wearer with positive pressure, even when their breathing rate increases. Prior to inhalation, the air is cooled and enriched with oxygen. Oxygen is dosed according to the wearer's personal workload, providing an even longer duration at low work rates. During exhalation, carbon dioxide is removed through a CO₂ absorber. A built-in low pressure sensor warns when there is a lack of oxygen. The BG ProAir's weight is evenly distributed, making it easier and more comfortable to wear during longer missions.

The housing features highly visible reflectors and a buddy light system that helps team members see each other and monitor the status of their apparatus at all times. A new cooling concept makes it easier to breathe while wearing the respiratory protective device. The concept includes a state-of-the-art regeneration material and a simplified ice system to reduce the temperature of the inhaled air without the need to open the breathing loop or remove components while in use. Breathing resistance has also been reduced.

Connected at all times

A high-contrast, full-color display makes vital information such as cylinder pressure, in-use warnings, and operating time plainly visible even in darkness, bright sunlight, or smoke. A built-in Bluetooth module makes it possible to connect the respiratory protective device with computers or other external devices to download data, perform configuration, and more. The BG ProAir's

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integrated data telemetry and RFID supports entry control management and absorber status tracking.

Easy to assemble, disassemble, and clean

Plug and play connectors make the BG ProAir easy to assemble and disassemble, reducing the amount of time required for training. No tools are needed for maintenance and service frequency has been minimized. The reducer, for example, only needs to be replaced every ten years. Only a few parts, all of which are machine washable, have to be disassembled to clean the BG ProAir. The new ice cooling system does not require water. The regeneration material does not require ice and can be stored at temperatures below 25 °C.

The BG ProAir is manufactured by Dräger Safety AG & Co. KGaA.

Image material:



Photo 1:

The housing of the Dräger BG ProAir is sealed to prevent dirt or sparks from entering the breathing loop.



Photo 2:

The Dräger BG ProAir is designed for long-duration deployment. It provides emergency response personnel with a high level of breathing and carrying comfort even in mines and tunnels, or on missions where access is difficult.

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Note: The products mentioned in this press release will not initially be available in all countries. For more information on availability in countries other than Germany, please visit the website for your country or contact the local Dräger Sales organization.

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