

Press Release

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Dräger launches BG ProAir to provide enhanced performance during longer mining and tunnelling rescue operations

Dräger, an international leader in the fields of medical and safety technology, has launched the Dräger BG ProAir, a closed-circuit breathing apparatus with innovative features to protect emergency responders during longer deployments typical in tunnelling and mining rescue operations.

The BG ProAir's positive pressure breathing closed circuit prevents toxic substances from entering the breathing system. Both inhalation and exhalation are optimised by cooling and enriching the air with oxygen before inhaling, and CO2 being absorbed when exhaling. An even distribution of the breathing apparatus' weight enhances comfort and ergonomics, especially important during extended missions.

Oxygen is supplied according to the wearer's personal workload, allowing more than four hours duration at low breathing rates, and the new cooling concept also makes breathing easier and more natural. This allows the emergency responder to manage the incident at a lower work rate.

It is further enhanced by smart onboard electronics, which include a low-pressure sensor. The integrated low-pressure sensor warns when there is a lack of oxygen to ensure safe breathing. The sensor also provides a low-pressure leak test of the breathing system.

The BG ProAir's housing features highly visible reflectors and a buddy light system that alerts other emergency responders to their team members' vital information, such as cylinder pressure, and operating time.

With a high contrast, full-colour display, user data is plainly visible even in the most difficult environments such as darkness, bright sunlight or smoke. An integrated Bluetooth® module provides a short-range connection to work with external devices such as gas detectors as well as a PC connection to download data and perform configuration.

Contact

UK PR Lead
Jenny Rowe
Tel +44 7786 57211
jenny.rowe@draeger.com

Corporate Communications:
Melanie Kamann
Tel +49 451 882-3202
melanie.kamann@draeger.com

Investor Relations:
Thomas Fischler
Tel +49 451 882-2685
thomas.fischler@draeger.com

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

www.twitter.com/DraegerNews
www.facebook.com/DraegerGlobal
www.youtube.com/Draeger

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The BG ProAir's integrated data telemetry and RFID assists the user in multiple scenarios such as entry control management and absorber status tracking. In addition to time calculations such as time to whistle, Dräger has also integrated recognised features such as PASS, ADSU and temperature readings.

With a fully sealed housing, the BG ProAir has been approved to the highest standards for heat, flame, and chemical resistance. For additional safety, it also comes with an optional buddy system, which enables the user to safely share oxygen with those in need during rescue situations.

Liz Millward, Marketing Manager at Dräger Safety UK, says the BG ProAir is the culmination of proven manufacturing and design experience: "Dräger's BG ProAir is evidence of our commitment to continual improvement. It delivers new functionality that has the potential to save lives and will improve wearer comfort, especially important when attending the most challenging, longer-duration incidents where heat, high-humidity, tight spaces and poor visibility are typical."

Liz adds that Dräger's breathing apparatus history is cemented in the mining rescue industry: "In 1906, there was a massive explosion in a coal mine in France. Bernhard Dräger attended the incident and brought with him a Dräger breathing apparatus he had developed two years earlier. Its continued use gave rise to the 'Drägerman' – a group of extraordinary men and women all across the world who have volunteered to be trained in mine rescue." Hear some of their stories [here](#).

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For more information on Dräger or its product offering, please visit www.draeger.com

For further press information please contact:

Gravity Global – +4420 7330 8810

Imogen Hart – ihart@gravityglobal.com

Laura Rhodes – lrhodes@gravityglobal.com

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Contact

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Jenny Rowe
Tel +44 7786 57211
jenny.rowe@draeger.com

Corporate Communications:
Melanie Kamann
Tel +49 451 882-3202
melanie.kamann@draeger.com

Investor Relations:
Thomas Fischler
Tel +49 451 882-2685
thomas.fischler@draeger.com

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