

## TECHNICAL DATA SHEET

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## Dräger X-plore® 8000 Powered Air Purifying Respirator

Challenging workplace conditions demand reliable solutions. The Dräger X-plore® 8000 offers a new level of intuitive handling combined with intelligent electronics that provide the high degree of safety your people need to focus on the task at hand.



### **Intelligent alarm system**

Two-step alarm concept with differentiation of risk level

### **Lithium-ion technology**

Operating time between 4 and 20 hours depending on the working conditions and system set-up

### **IP65 protection**

IP65 for optimal protection and easy decontamination

### **Filter recognition**

Advanced sensor technology recognises the correct filter and displays particle filter saturation properly

### **Hose identification**

Automatic adjustment of minimum flow rate for attached headpiece

## Benefits

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### **Robust: Designed for daily use in tough environments, even in explosive atmospheres**

Let's face it: for your workplace, only the most rugged design will do. The Dräger X-plore 8000 features heavy-duty design with rubber protectors and high ingress protection (IP65) against dust and water jets from any direction. Two battery versions incorporating the latest Li-ion battery technology provide power for at least 4 h (standard version) or 8 h (high-capacity version), respectively. The air inlets are protected from frontal moving debris, ensuring that sparks or water do not come into direct contact with the filter.

In work areas requiring explosion protection, the special Dräger X-plore 8700 model provides optimal support. It is ex-approved and can be used in ex-zones 1, 2, 21 and 22.

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### **Comfortable: Let the user focus on the task**

The Dräger X-plore 8000 lets your employees do their job and forget about the PAPR they need for proper personal protection. The advanced carrying system ensures optimal distribution of the weight. The system provides a tight and stable connection between the belt and the unit through a special adaptor plate; a comfort pad is also available as an option. The hose connector features a 360° click adaptor. New headpieces are designed for optimal airflow and maximum comfort to avoid unpleasant eye irritation.

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### **Safe: Self-explanatory operation minimises user error**

The unit recognises connected headgear and automatically selects the correct minimum flow rate, avoiding leakages caused by insufficient flow rates. An optical sensor prevents use without the filter and supports the right display of the saturation of the particle filter at any time. The filter system features plug-and-go exchange. In addition to the optical and acoustical alarm, the unit is also equipped with a vibration alarm. The entire system features uniform colour codes on all exchangeable elements and an error-proof hose connector.

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### **Easy to maintain: Efficient cleaning together with secure operation**

The Dräger X-plore 8000 was designed to be practically maintenance-free, leading to low cost of ownership. The self-check and self-adjustment systems feature advanced temperature and pressure sensor technology to ensure the right flow rate for any environment. The simple and efficient charging system allows rapid charging (under 4 h for an empty battery). The unit is designed for fast and easy disassembly for cleaning.

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### **Modular: A wide range of components for every application**

The Dräger X-plore 8000 offers a number of user-friendly standard and specialised carrying systems for standard and decontamination applications. Dräger has also developed a wide range of tight- and loose-fitting headgear such as half and full-face masks, short and long hoods and helmets with visor and protective visor. Standard and enhanced flexibility hoses are available and compatibility is ensured. Components and accessories can be combined to best fit your application, and system upgrades are possible at any time.

## Details



D-118879-2/013

Dräger X-plore® 8500

### Dräger X-plore® 8500

The construction of the X-plore 8000 series is extremely resistant and is additionally supplemented by rubber protectors. The devices have an IP65 protection class and are therefore protected against dust and water jets from all directions.

## System Components



D-119066-2/013

### Dräger X-plore® 8000 Batteries

Lithium-ion battery for Dräger X-plore® 8000 – available as a standard battery with a rated battery life of at least 4 hours\* or as a long-life battery with a rated battery life of at least 8 hours\*. Both battery types are also available as ex-protected version for Dräger X-plore® 8700.

(\*at 210 L/min and with particle filter)



D-118837-2/013

### Dräger X-plore® 8000 Charger

The Dräger X-plore® 8000 charging system can charge a flat battery in less than four hours. The battery will be at least 80% charged after two hours. In addition to the Standard Charger, a Multi-Unit Charger is offered. You can connect up to five modules in order to load batteries in parallel.

## System Components



D-38276-2015

### Dräger X-plore® 8000 Filter

The Dräger X-plore® 8000 filter series offers an extensive programme of various filter types for all essential application fields and protects against a number of particles, gases and vapours.



D-119049-2013

### Dräger X-plore® 8000 Belt

Three belt versions are available for the Dräger X-plore® 8000 series: a standard belt, a decon belt (each with an optional belt extension) and a welding belt.



D-119058-2013

### Dräger X-plore® 8000 Breathing hoses

The Dräger X-plore® 8000 breathing hoses connect your Dräger headpiece, such as a hood or helmet, to the X-plore® 8000 PAPR unit or X-plore® 9x00/PAS X-plore® compressed air hose system. In addition, the breathing hoses are available as a standard version or in a flexible version.



D-24205-2020

### Dräger X-plore® 8000 Helmets

Dräger X-plore® 8000 helmets provide effective mechanical head protection combined with maximum comfort. Regardless of whether you are dependent on ambient air or working independently, the helmets are an integral part of our Dräger X-plore® 8000 powered air-purifying respirator systems and Dräger X-plore® 9300 compressed air line device.

## System Components

D-1207-2021



### Dräger X-plore® 8000 Face Shield

The Dräger X-plore® 8000 face shield offers effective protection for your face and allows safe breathing as integral part of the Dräger X-plore® 8000 powered air-purifying respirator systems and Dräger X-plore® 9300 compressed air line system.

D-25013-2020



### Dräger X-plore® 8000 Hoods

Dräger X-plore® 8000 hoods are an integral part of our Dräger X-plore® 8000 powered air-purifying respirator systems for work requiring the use of ambient air, and our Dräger X-plore® 9300 compressed air line system for working with an independent air supply. They provide lightweight, comfortable respiratory protection combined with the highest protection category for loose-fitting headpieces.

D-31814-2011



### Dräger X-plore® 4700

The Dräger X-plore® 4700 is the robust half mask which offers excellent comfort and outstanding leak tightness for demanding applications. Thanks to the wide range of filters available for protection against gases, vapours and particles, it is ideally suited for use in a variety of industries.

ST-7497-2005



### Dräger X-plore® 6300

The Dräger X-plore® 6300 is the efficient yet low-cost full face mask intended for price-conscious users not wishing to compromise on comfort or quality. This full face mask is the successor to the Panorama Nova® Standard, a mask which has proven itself over decades of use worldwide – redesigned and improved with fresh colours and an integrated barcode.

## Technical Data

### Dräger X-plore® 8000

Approvals	<p>EN 12941 - TH3 with Dräger X-plore® 8000 hoods, helmets and visors</p> <p>EN 12942 - TM2 with Dräger X-plore® 4740 half masks / TM3 with Dräger X-plore® 6000 and FPS 7000 full-face masks</p> <p>ATEX*</p> <p>II 2G Ex ib IIB T4 Gb</p> <p>II 2D Ex ib IIIB T135 °C Db</p> <p>I M2 Ex ib I MB</p> <p>TAMB: -10 °C &lt; Ta &lt; +50 °C</p> <p>IECEX*</p> <p>Ex ib IIB T4 Gb</p> <p>Ex ib IIIB T135 °C Db</p> <p>Ex ib I MB</p> <p>TAMB: -10 °C &lt; Ta &lt; +50 °C</p> <p>NIOSH 42 CFR 84 with Dräger X-plore 8000® hoods, helmets and visors, X-plore® 6000 and FPS 7000 full-face masks (Dräger X-plore® 8500 only!)</p> <p>AS/ NZS 1716 with Dräger X-plore® 8000 hoods, helmets, visors, X-plore® 4740 half face masks, X-plore® 6000 and FPS 7000 full-face masks</p> <p>SANS 12941 with Dräger X-plore® 8000 hoods, helmets and visors</p>
Ingress protection	IP65 (dust-tight and resistant to water jets from all sides)
Airflow	<p>Automatic setting of operating type: loose- or tight-fitting headpiece;</p> <p>Adjustable in three levels:</p> <p>Half and full-face mask: 115, 130 or 145 l/min</p> <p>Hoods, Helmets and Visors: 170, 190 or 210 l/min</p>
Battery technology	Lithium-ions: 12.6 V/3.4 Ah (standard battery), 12.6 V/6.8 Ah (high-capacity battery)
Operating time**	<p>Standard battery: 4 - 8 hours</p> <p>High-capacity battery: 8 - 20 hours</p>
Charging time	Approx. 4 hours (in two hours 80% can be reached)
Weight	<p>Dräger X-plore® 8500 incl. standard battery and splash guard lid: approx. 1,400 g</p> <p>Dräger X-plore® 8700 incl. standard battery (EX) and splash guard lid: approx. 1,500 g</p>
Alarm system	<p>Optical alarm (operating display)</p> <p>Acoustical alarm (≥ 80 dB(A) at 1 m)</p> <p>Vibration alarm</p>
Belt length	Adjustable between 700 mm and 1,400 mm (standard and decontamination version)
Belt extension	350 mm (standard and decontamination version)

\* Standard long hoods, disposable hose cover and welding visor must not be used in potentially explosive atmospheres.

\*\* Dependent upon the adjusted flow, the facepiece in use and the type of filter.