

## ► X-plore 8300

powered air-purifying respirator against dust, particles and aerosols



### Technical specifications

#### Dimensions

- 180 × 52 × 110 mm (without filter)

#### Weight:

- ≈ 635 g (including battery, without filter)

#### Airflow rate

- Automatic depending on facepiece (120–210 l/min)

#### Operating time

- 8–11 hours

#### Battery

- lithium-ion, fast charge (80% in 2h, 100% in 4h)

#### Alarm system

- visual + audible (low battery, clogged filter, hose fault)

#### Ingress protection

- IP65 (with hose and filter)
- IP67 (machine washable with plugs)

#### User interface

- Intuitive display, single button (start, stop, settings)

#### Belt compatibility

- 700 to 1,400 mm (extendable +350 mm)

#### Standards and certifications

- EN 12941: helmets, hoods, visors, welding shields
- EN 12942 TM2: X-plore 4740 half mask
- EN 12942 TM3: X-plore 6300/6530/6570/FPS 7000 full masks
- AS/NZS 1716: extended approval (hoods, helmets, visors, half mask 4740, full masks)

#### Advanced safety features

- RFID sensor to automatically recognize the hose and adjust minimum airflow
- Bayonet filter lock preventing accidental disconnection

### Product description

The **Dräger X-plore 8300** is a powered air purifying respirator (PAPR) providing reliable protection against harmful particles, dust and aerosols, eliminating breathing resistance and movement restrictions.

Smaller and lighter than others in its category, it ensures comfort and safety even in demanding environments. Fully compatible with the Dräger X-plore 8000 series, it can be combined with a wide range of masks, hoods, helmets, visors and accessories to meet the needs of various sectors: industry, chemistry, laboratories, construction, welding or maintenance.

#### ► Key Strengths

Compact and lightweight, the **Dräger X-plore 8300** combines comfort, safety, and performance. Equipped with a high-capacity lithium-ion battery, it offers up to 11 hours of continuous operation, ensuring uninterrupted protection throughout a full shift. Certified IP67, it can be easily machine-washed with protective plugs, guaranteeing convenient maintenance and optimal hygiene. Its audible and visual alarms warn of any malfunction (low battery, saturated filter, hose disconnection), enhancing user safety. Compatible with the full Dräger X-plore 8000 range, it adapts to a wide range of industrial, chemical, laboratory, welding, or maintenance applications.

#### ► Hygienic & Easy Maintenance

The **X-plore 8300** system is designed for simple cleaning and decontamination. Its smooth surfaces and reduced number of gaps make it easy to maintain, while its protective plugs allow machine washing. IP67-certified, it is resistant to dust and water and can be used under decontamination showers, even while operating.

#### ► Additional Information

The **Dräger X-plore 8300** is compatible with numerous accessories (belts, back-mounted systems, filters, spark arresters, cleaning plugs) and with the masks and hoods of the X-plore 8000 series. Easy to maintain, it allows quick replacement of main parts and can be cleaned manually or in a washing machine.

#### ► Applications

The **Dräger X-plore 8300** can be used in a wide range of environments: in industry and construction for protection against dust and particles; in the chemical sector and laboratories when handling powders or biological agents; in metallurgy and welding applications when combined with spark arresters; in the pharmaceutical industry to safeguard against active substances; and in the food sector where enhanced hygiene is required. It is also

## Additional Technical Information

Types	Informations
Technical Specifications	<p><b>Precise airflow depending on facepiece:</b></p> <ul style="list-style-type: none"> <li>• Half masks &amp; full masks: 120 / 145 l/min</li> <li>• Hoods, helmets &amp; visors: 175 / 210 l/min</li> <li>• Special edition full masks: 160 / 185 l/min</li> </ul> <p><b>Adjustable belt length</b>            700–1400 mm + 350 mm extension (depending on models)</p> <p><b>Weight &amp; dimensions specified</b>            (180 × 52 × 110 mm, 635 g without filter)</p>
Advanced Features	<ul style="list-style-type: none"> <li>-Integrated automatic self-test at startup</li> <li>-Automatic hose identification and airflow adjustment</li> <li>-Secure bayonet filter connection</li> <li>-Full interface: airflow display, filter saturation, battery status-</li> <li>-Detailed alarm system description (low battery, saturated filter, hose disconnection)</li> </ul>
Durability & Maintenance	<p><b>Detailed IP rating:</b></p> <ul style="list-style-type: none"> <li>• IP67 only with cleaning plugs (machine wash, immersion)</li> <li>• IP65 with filter + hose attached</li> </ul> <p><b>Explanation of machine washing with specific plugs</b></p>
Accessories & Options	<ul style="list-style-type: none"> <li>• Belts: standard, leather, decontaminable</li> <li>• Back-mounted systems: standard &amp; decontaminable</li> <li>• Chargers: standard + multiple (5 units)</li> <li>• Hoses: flexible / robust (for masks, hoods, helmets)</li> <li>• Accessories: spark arresters, cleaning/dust plugs, hose protectors, airflow measurement tube, maintenance cables</li> </ul>

### Intuitive User Interface

Clear display of battery status, filter saturation, and airflow. Single-button control for power on/off, airflow regulation, and battery status check.

### IP67 protection rating

Reliable protection against dust and water for easy cleaning and decontamination. Rated IP67 when used with cleaning plugs.

### Secure Bayonet Connection

Precise filter positioning and reliable locking for quick and easy assembly.



D-16452-2024

### Automatic Hose Identification

Smart recognition with automatic adjustment of the minimum airflow depending on the connected facepiece.

### Integrated Automatic Test

Automatic startup check ensuring full operational readiness.

### Advanced Alarm System

Multiple alarms with audible and visual warnings in case of malfunction.

### High-Capacity Battery

High-capacity battery offering up to 11 hours of runtime with fast-charging capability.

## System Components

### Dräger X-plore 8300 Chargers



Ref: [D-16448-2024](#)

Two charger models are available for recharging the integrated battery of the X-plore 8300 motor. In addition to the standard charger, a multi-charger can recharge up to five motors simultaneously. Both solutions allow fast charging, with a full battery recharge in approximately four hours.

### Dräger X-plore 8300 Belts



Ref: [D-16858-2024](#)

Three waist-mounted carrying options are available for the Dräger X-plore 8300 motor. In addition to the standard textile belt for industrial applications, a decontaminable belt is available for easier cleaning. A leather belt completes the range, providing greater durability for welding work.

### Dräger X-plore 8000 Breathing Hoses



Ref: [D-3443-2023](#)

The Dräger X-plore 8000 breathing hoses provide a secure connection between the X-plore 8000 powered air purifying respirators and the X-plore 9300 airline system to compatible facepieces. Dräger offers hoses in both flexible and robust versions for tight-fitting facepieces such as full masks or half masks, as well as for loose-fitting facepieces such as helmets or hoods.

### Dräger X-plore 8300 backpack system



Ref: [D-16864-2024](#)

For users who prefer a back-mounted option, two backpack systems are available for carrying the Dräger X-plore 8300 motor. The standard backpack is ideal for industrial and craft applications, while the decontaminable version is designed for easy cleaning.

## Facepieces

### Dräger X-plore 8000 Helmets



Ref: [D-9105-2023](#)

The various Dräger X-plore 8000 helmets provide combined protection for the head and respiratory tract with a high level of comfort. Different lengths and materials for the neck protection allow quick and easy adaptation for specific applications. These helmets are compatible with all powered air purifying respirator systems of the Dräger X-plore 8000 series as well as with the Dräger X-plore 9300 airline system.

### Dräger X-plore 8000 Welding Helmets



Ref: [D-9134-2023\\_D-9119-2023](#)

The Dräger X-plore 8000 welding helmets provide reliable protection for the eyes and face. Whether you are working with or without ambient air supply, these welding helmets are an integral part of our Dräger X-plore 8000 powered air purifying respirator system and the Dräger X-plore 9300 compressed air airline system.

### Dräger X-plore 8000 Hooded Facepieces



Ref: [D-15897-2024](#)

The Dräger X-plore 8000 bump cap or helmet combined with a hood provides reliable protection in heavily polluted or contaminated areas. The combination of head protection and a hood is an integral part of our Dräger X-plore 8000 powered air purifying respirator system and the Dräger X-plore 9300 airline system.

### Dräger X-plore 8000 Face Shield



Ref: [D-3434-2023](#)

The Dräger X-plore 8000 face shield provides effective protection for the eyes and the entire face. As an integral part of the X-plore 8000 series, it is compatible with the X-plore 8000 powered air purifying respirators as well as the Dräger X-plore 9300 airline system.

## Facepieces

### Dräger X-plore 8000 Hoods



Ref: D-12004-2024

The Dräger X-plore 8000 hoods are essential components of the X-plore 8000 powered air purifying respirator for applications dependent on ambient air, and they are also compatible with the Dräger X-plore 9300 airline system in applications requiring an external air supply. Hoods are available in different lengths to provide light, comfortable protection with a high level of safety.

### Dräger FPS 7000



Ref: D-4985-2024

The Dräger FPS 7000 full-face mask range guarantees both safety and comfort. Its modern design offers an optimized field of vision, while the different available sizes ensure comfort and a secure fit. This full-face mask is available with various connector types and carrying systems.

### Dräger X-plore 6300



Ref: D-119-2025

Efficient and cost-effective, the Dräger X-plore 6300 is the full-face mask designed for users who do not want to compromise on comfort and quality while seeking an economical solution. As the successor to the Panorama Nova Standard, this mask has proven its reliability over decades. It now features a modern design with bright colors and an integrated barcode.

## Accessories

### Dräger X-plore 8300 Spark Arrester



Ref: D-16446-2024

The optional **X-plore 8300** spark protection reliably shields the particle filter from sparks, ensuring safe use of the **X-plore 8300** system during welding, cutting, and grinding applications. The rubberized material of the **X-plore 8300** powered air purifying respirator also provides additional protection against impacts.

### Dräger X-plore 8300 Cleaning Plugs



Ref: D-16455-2024

The Dräger X-plore 8000 bump cap or helmet combined with a hood provides reliable protection in heavily polluted or contaminated areas. The combination of head protection and a hood is an integral part of our Dräger X-plore 8000 powered air purifying respirator system and the Dräger X-plore 9300 airline system.