



Dräger X-plore 8500 Powered Air-Purifying Respirator

Challenging working environments require a robust and reliable protective solution. The X-plore 8500 powered air-purifying respirator delivers uncompromising respiratory protection against particles, gases and/or vapours combined while ensuring high wearing comfort with no breathing resistance. Benefit from versatile combination options with the X-plore 8000 filter portfolio, a wide range of headpieces, carrying systems and other system components.

Dräger X-plore 8500

Automatic hose detection

Smart recognition of the headpiece type with automatic adjustment of the minimum required airflow rate.

Intuitive user interface

Easy adjustment of airflow rate and clear display of battery status and filter saturation.

Integrated self-test

Automatic functionality check on start-up ensures unrestricted operational readiness.

Lithium-ion technology

Operating time between 4 and 20 hours, depending on working conditions, system settings and battery option.

Advanced sensor technology

Automatic detection of the installed filter and display of the saturation level for particle filters.

Smart alarm system

Multi-alarm design with dedicated audio, visual and vibration alarms at differentiated risk levels.

IP65 safety rating

Dust-tight design and effective splash water protection in accordance with IP65 certification enables easy cleaning and decontamination.



Benefits

Optimal breathing protection

The X-plore 8500 system reliably filters particles and gaseous particles from the breathing air. The extensive portfolio of filter types offers effective protection against a variety of respiratory risks and hazardous substances, including particles, aerosols, vapours and gases, thus enabling safe working in a wide range of application areas.

Outstanding comfort

The X-plore 8500 powered air-purifying respirator is specifically optimised for physically demanding working environments and long work assignments and is extremely comfortable to wear. Thanks to the battery-operated blower and continuous flow operation, the X-plore 8500 eliminates breathing resistance commonly associated with other respiratory protection solutions. Fan-assisted airflow prevents heat build-up in the headpiece and visor fogging. The airflow can be adjusted via three different levels to suit the user's individual requirements, making it easier to work in extreme climatic zones with high temperatures while noticeably reducing strain. The ergonomic design of the blower filter unit also supports this by minimising movement restrictions through consistent weight reduction. Various belt variants or a shoulder carrying system ensure high wearing comfort and optimised weight distribution.

Reliable customised fit

The X-plore 8500 system can be used in combination with tight-fitting headpieces, such as full-face masks, and loose-fitting headpieces, such as helmets or hoods. Depending on the headpiece variant, different hood or mask sizes, as well as individually adjustable face seals for helmets and visors, provide an optimum seal and protection for the wearer. Thanks to the option of combining it with loose-fitting headpieces, the X-plore 8500 system is also suitable for users with beards or those for whom other respiratory protection solutions are unsuitable due to their individual face shape. This eliminates the need for companies to conduct individual fit tests, which are recommended or specified for other respiratory protection solutions. As a customer, you benefit from significant cost and time savings by eliminating the need for such measures.

Intuitive and secure user interface

With a consistent focus on intuitive user guidance, the X-plore 8500 system features well-designed operating elements and comprehensive safety functions. On start-up, the device performs an automatic self-test and checks the battery status, filter capacity and volume flow. Unlike many competitor products, it does not require additional tools or accessories. A high level of user safety is also ensured by a redundant alarm system with audible, visual and vibration alarms, which indicate functional limitations such as a low battery level or excessive filter saturation. Automatic filter detection prevents the system from being operated unintentionally without a filter or with an incorrectly inserted one. Automatic hose recognition also distinguishes between tight-fitting and loose-fitting headpieces and sets the minimum required volume flow. The X-plore 8500 thus combines intelligent design with simple control and safe operation.

Benefits

Robust and powerful design

The device offers effective protection against dust and splash water in accordance with IP65 certification. The rubber protectors on the sides of the housing and a protected air inlet further increase resistance. Powerful and durable components such as the blower ensure reliable operation and easy maintenance - typically performed manually or with standard tools. Depending on the application scenario, you can choose between two battery types with a capacity of eight or twenty hours. The charge status can be viewed at any time on the control panel or directly on the battery. Dedicated accessories for use in the areas of decontamination complete the system.

Impressive versatility

The X-plore 8000 series stands for impressive modularity and versatility. With a system approach designed for compatibility, the comprehensive portfolio of headpieces, filters, carrying solutions and accessories can be combined in almost any configuration. Depending on the application context and individual requirements, Dräger offers dedicated respiratory protection solutions for a wide range of industries and application fields, from the construction and steel industries to the pharmaceutical and semiconductor sectors. The basis for this is provided above all by the wide range of loose- or tight-fitting headpieces with different protection classes for breathing, head, face and eyes as well as varying chemical resistance.

Details



Status display for airflow rate, filter saturation and battery level



Replaceable battery with smart display for charging status



X-plore 8500 system with belt carrying solution



Exemplary combination with loose-fitting headpiece, here X-plore 8000 helmet PC visor HLI



Exemplary combination with tight-fitting headpiece, here FPS 7000.

System Components



Dräger X-plore 8500 Batteries

Lithium-ion battery for Dräger X-plore 8500 – 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*.
(*at 21.0 L/min and with particle filter)

System Components

D-10035-2025



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.

D-9950-2024



Dräger X-plore 8000 Filters

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

D-3426-2023



Dräger X-plore 8000 Carrying Systems

Three hip carrying options are available for the Dräger X-plore 8000 system: a standard textile belt, a decontaminable belt (each with an optional belt extension) and a heat-resistant leather version. We also offer a backpack carrying system as an alternative carrying option.

D-3443-2023



Dräger X-plore 8000 Breathing hoses

Dräger X-plore 8000 breathing hoses securely connect X-plore 8000 powered air systems and the X-plore 9300 airline system to compatible headpieces. Dräger offers hoses for both tight-fitting headpieces like half or full-face masks and loose-fitting options like helmets or hoods, for which flexible and robust versions are also available.

System Components

D-9105-2023



Dräger X-plore 8000 Helmets

Helmet options in the Dräger X-plore 8000 series provide combined head and respiratory protection with high comfort. Different lengths and materials for the neck seal allow quick and easy adaptation to specific applications. These helmets are compatible with all powered air-purifying respirators in the Dräger X-plore 8000 series and the Dräger X-plore 9300 airline device.

D-9134-2023_D-9119-2023



Dräger X-plore 8000 Welding Visors

Regardless of whether you are dependent on ambient air or working independently, the welding visors are an integral part of our X-plore 8000 powered air-purifying respirator system and X-plore 9300 compressed air line device.

D-3434-2023



Dräger X-plore 8000 Face Shield

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

D-15897-2024



Dräger X-plore 8000 Head Pieces with Hood

The Dräger X-plore 8000 helmet/bump cap and hood combination provides reliable protection in heavily polluted or contaminated environments. The combination of head protection and hood is an integral part of our Dräger X-plore 8000 powered air-purifying respirator systems and our Dräger X-plore 9300 compressed air line device.

System Components

D-12004-2024



Dräger X-plore 8000 Hoods

The Dräger X-plore 8000 hoods are essential components for the X-plore 8000 powered air-purifying respirators for ambient air applications and are also compatible with the Dräger X-plore 9300 airline device for independent air supply applications. The hoods are available in various lengths and offer light and comfortable protection with the highest safety level for open headpieces.

D-1119-2025



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.

D-4985-2024



Dräger FPS 7000

The Dräger FPS 7000 full face mask series is characterised by a high degree of safety and optimum wearing comfort. Thanks to its proven design and the different sizes, it offers a tight and comfortable fit. The combination of the mask shape with the geometry of the visor offers you a large field of vision.

Accessories

D-119051-2013



Dräger X-plore 8000 Comfort Pad

The Dräger X-plore 8000 standard belt can be enhanced with a comfort pad, thus offering additional wearing comfort.

Accessories

D-10069-2025



Dräger X-plore 8000 Shoulder Carrying System

The shoulder carrying system can be combined with all Dräger X-plore 8000 belt versions and offers better distribution of weight.

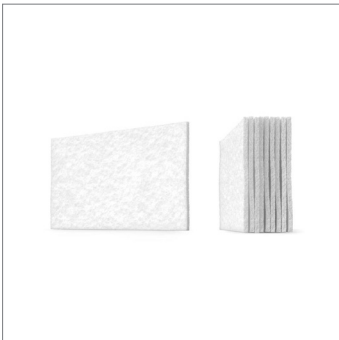
D-0972-2020



Dräger X-plore 8000 Unit Cover

The unit cover protects the Dräger X-plore 8500 and 8700 (EX) against dirt and dust thereby making cleaning easier. It is pulled over the device incl. the filter like a protective cover.

D-8737-2025



Dräger X-plore 8000 Prefilter

For use with Dräger X-plore 8000 particle or combination filters in order to extend the usage period.

D-8746-2025



Dräger X-plore 8000 Odor Filters

For use with Dräger X-plore 8000 particle filters in order to filter out annoying odors.

Technical Data

Dräger X-plore 8500

Approvals*	NIOSH - 42 CFR 84 with Dräger X-plore 8000® hoods, helmets, face shield, X-plore® 6000 and FPS 7000 full-face masks
Ingress protection	IP65 (6=Protection against dust ingress, 5=Water jets from all directions)
Airflow	Automatic setting of operating type: loose- or tight-fitting headpiece; Adjustable in three levels: Full-face mask: 115, 130 or 145 l/min Hoods, Helmets and Visors: 170, 190 or 210 l/min
Battery technology	Lithium-ion technology Standard battery: Nominal voltage: 10.8 V Nominal capacity: 3.20 Ah High-capacity battery: Nominal voltage: 10.8 V Nominal capacity: 6.40 Ah
Operating time**	Standard battery: 4 - 8 hours High-capacity battery: 8 - 20 hours
Charging time	approx. 4 hours (up to 80 % can be charged in two hours)
Weight	approx. 1,400 g (3.lbs) (Dräger X-plore 8500 incl. standard battery and splash guard lid)
Alarm system	Visual alarm (display on control panel) Audible alarm (≥ 80 dB(A) at 1 m) Vibration alarm
Belt length	Adjustable between 700 mm (27.5) and 1,400 mm (55 in) (standard belt and decontaminable belt)
Belt extension	350 mm (13.8 in) (standard belt and decontaminable belt)

* For exceptions, see technical data sheet

** Dependent on the set air flow and the breathing connection and filter type used.

Ordering Information

Component		Description	Order number
Blower unit		Dräger X-plore 8500	R59500
Batteries		Dräger X-plore 8000 Standard battery	R59565
		Dräger X-plore 8000 High-capacity battery	R59585
Charger		Dräger X-plore 8000 Standard charger	R59780
		Dräger X-plore 8000 Multi-unit charger, 1 module w/o cable	R59890
		Dräger X-plore 8000 Multi-unit charger, 1 module w/ USA cable	R59980
Carrying systems		Dräger X-plore 8000 Standard belt	R59700
		Belt extension for Dräger X-plore 8000 Standard belt, 35 cm (13.8 in)	R59750
		Dräger X-plore 8000 Comfort pad	R59730
		Dräger X-plore 8000 Decon belt	R59710
		Belt extension for Dräger X-plore 8000 Decon belt, 35 cm (13.8 in)	R59760
		Dräger X-plore 8000 Welding belt	R59720
		Dräger X-plore 8000 Shoulder carrying system	R59740
	Breathing hoses	Standard hoses	Dräger X-plore 8000 Standard hose (for full-face masks)
Dräger X-plore 8000 Standard hose (for helmets, visors and hoods)			R59620
Flexible hoses		Dräger X-plore 8000 Flexible hose (for full-face masks)	R59610
		Dräger X-plore 8000 Flexible hose (for helmets, visors and hoods)	R59600

Ordering Information

Filter	Prefilter	Dräger X-plore 8000 Prefilter	6739730
		Dräger X-plore 8000 Odor filter	6739605
	Particle filter	Dräger X-plore 8000 Odor filter, set	6739735
		X-plore 8000 Filter HE	6739540
	Gas filter	X-plore 8000 Filter OV	6739575
		X-Plore 8000 Filter Multigas (CL/HF/AM/MA/FM/HS/SD/HC)	6739590
	Combination filter	X-plore 8000 Filter OV/HE	6739560
		X-plore 8000 Filter OV/AG/HE	6739565
		X-Plore 8000 Filter MultiGas/HE (CL/HF/AM/MA/FM/HS/SD/HC/HE)	6739570
	Accessories		Dräger X-plore 8000 Storage box
		Dräger X-plore 8000 Unit cover	R59880
		Dräger X-plore 8000 Hose cover, disposable	R59670
		Dräger X-plore 8000 Hose cover, spark proof	R59660
Headpieces	Full-face masks, hoods, head protection-hood combination, face shields, helmets	Detailed information on our extensive portfolio of X-plore 8000 headpieces can be found in the respective separate product information.	

Please adhere to the instructions for use to ensure the required safety precautions for specific applications are fulfilled.

Notes

Notes

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