

## Dräger X-plore® 8000 Powered Air-Purifying Respirator (PAPR)

Workplace environments that compromise the quality of air you breathe demand reliable solutions. The Dräger X-plore® 8000 powered air-purifying respirator (PAPR) offers a new level of intuitive handling combined with intelligent electronics. The result? A high degree of safety that you and your people need to focus on the task at hand.



D-118978-2013

### **Intelligent alarm system**

Two-level alarm design 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**

Optimal protection and easy decontamination

### **Filter recognition**

Advanced sensor technology recognizes 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**

Let's face it: for your workplace, only the most rugged PAPR design will do. The Dräger X-plore® 8000 features heavy-duty design with rubber protectors and high ingress protection (IP 65) against dust and water from any direction. A choice of two battery versions incorporating the latest Li-ion battery technology provide power for at least 4 to 8 hours, respectively. Protected air intake openings ensure that sparks or water coming from the front will not be sucked into the filter.

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### **Comfortable: Lets you focus on the task**

The Dräger X-plore® 8000 lets you do your job and forget about the PAPR you need for proper personal protection. The advanced carrying system ensures optimal weight distribution of the unit. 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. To avoid eye irritation, the system's new headpieces are designed for optimal airflow and maximum comfort.

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

The PAPR unit recognizes the connected headgear and automatically selects the correct minimum flow which avoids leakages due to 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 color 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 PAPR 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 (less than 3 hours 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 carrying systems for standard and decontamination applications. To complete the system, Dräger 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. You can combine various and accessories to best fit your application, and system upgrades are possible at any time.

## System components



D-19066-2013

### 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\*.

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



D-118937-2013

### Dräger X-plore® 8000 Charger

The Dräger X-plore® 8000 charging system can charge an empty battery in approximately 3 hours. The battery will be at least 80% charged after 2 hours.



D-38278-2015

### Dräger X-plore® 8000 Filter

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



D-119049-2013

### Dräger X-plore® 8000 Belt

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

## System components



D-19071-2013

### Dräger X-plore® 8000 Hoods

Dräger X-plore® 8000 hoods are available as a standard version or a premium version, and in short or long models. Using these hoods is advisable in all areas where additional head and eye protection is not mandated by regulations.



D-38276-2015

### Dräger X-plore® 8000 Helmets and Visors

The Dräger X-plore® 8000 helmets and visors are particularly suitable for industrial environments in which head and eye protection is required. In addition to a protective visor and a helmet with a visor, the portfolio also includes a special visor for welders.



D-38279-2015

### Dräger X-plore® Half-Masks and Full Masks

The Dräger X-plore® half-masks and full masks offer the highest level of flexibility and optimal protection, including the additional requirements for closed breathing connections.



D-38277-2015

### Dräger X-plore® 8000 Breathing Hoses

The Dräger X-plore® 8000 system offers three different breathing hoses to match your headgear. Hoses are also available as standard or flexible versions.

## Accessories

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### Dräger X-plore® 8000 Comfort Pad

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

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### Dräger X-plore® 8000 Shoulder Harness

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

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### Dräger X-plore® 8000 Prefilter

Prefilters are designed for use with Dräger X-plore® 8000 particle or combination filters to extend the usage period.

D-43811-2015



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### Dräger X-plore® 8000 Odor Filters

Odor filters are designed use with Dräger X-plore® 8000 particle filters to filter out annoying odors.

## Technical Data

### Powered Air-Purifying Respirator for protection against a wide range of gases, dust and particles

Approvals	NIOSH (42 CFR, Part 84)
Ingress protection	IP65 (dust-tight and resistant to water jets from all sides)
Airflow	Automatic setting of operating type: loose- or tight-fitting headpiece; Adjustable in three levels: Half and full-face mask: 30, 34 or 83 gal./min (115, 130 or 145 l/min) Hoods, Helmets and Visors: 30, 34 or 83 gal./min (115, 130 or 145 l/min)
Battery technology	Lithium-ions: 12.6 V/3.4 Ah (standard battery), 12.6 V/6.8 Ah (high-capacity battery)
Operating time**	Standard battery life: 4 hours (at 55 gal./min (210 l/min) and particulate filter) High-capacity battery: 8 hours (at 55 gals/min (210 l/min) and particulate filter)
Charging time	Under 3 hours (in 2 hours 80% can be reached)
Weight	Approx. 3 lbs. (1,400 g) (Dräger X-plore® 8500 incl. standard battery and splash guard lid)
Alarm system	Optical alarm (operating display) Acoustical alarm (≥ 80 dB(A) at 3.3 ft. (1 m)) Vibration alarm
Belt length	Adjustable between 27.56 in. (700 mm) and 55.12 in. (1,400 mm) (standard and decontamination version)
Belt extension	13.8 in. (35 cm) (standard and decontamination version)
** Depending on the adjusted flow and the concentration of contaminants	

## Ordering Information

		Order number
Blower unit	Dräger X-plore® 8500 (IP)	R 59 500
Batteries	Dräger X-plore® 8000	R 59 565
	Standard battery	
	Dräger X-plore® 8000	R 59 585
Charger	High-capacity battery	
	Dräger X-plore® 8000	R 59 580
Carrying systems	Standard charger	
	Dräger X-plore® 8000	R 59 700
	Standard belt	
	Belt extension for	R 59 750
	Dräger X-plore® 8000	
	Standard belt, 13.8 in. (35 cm)	
	Dräger X-plore® 8000	R 59 730
	Comfort pad	
	Dräger X-plore® 8000	R 59 710
	Decon belt	
Belt extension for	R 59 760	
Dräger X-plore® 8000		
Decon belt, 13.8 in. (35 cm)		

## Ordering Information

		Dräger X-plore® 8000	R 59 720	
		Welding belt		
		Dräger X-plore® 8000	R 59 740	
		Shoulder harness		
Breathing hoses	Standard hoses	Dräger X-plore® 8000	R 59 630	
		Standard hose (for Tight-fitting headpieces)		
		Dräger X-plore® 8000	R 59 620	
		Standard hose (for Hoods)		
		Dräger X-plore® 8000 Standard hose (for Helmets and Visors)	R 59 640	
	Flexible hoses	Dräger X-plore® 8000	R 59 610	
		Flexible hose (for Tight-fitting headpieces)		
		Dräger X-plore® 8000 hose (for Hoods)	R 59 600	
		Dräger X-plore® 8000 Flexible hose (for Helmets and Visors)	R 59 650	
Filter	Prefilter	Dräger X-plore® 8000 Prefilter	67 39 730	
	Odor-Filter	Dräger X-plore® 8000 Odor-Filter	67 39 605	
		Dräger X-plore® 8000 Odo r-Filter, Set	67 39 735	
	Particulate filter	Dräger X-plore® 8000 HE	67 39 540	
	Gas filter	Dräger X-plore® 8000 OV	67 39 575	
		Dräger X-plore® 8000 MultGas (CL/HF/AM/MA/FM/HS/SD/HC)	67 39 590	
	Combination filter	Dräger X-plore® 8000 OV/HE	67 39 560	
		Dräger X-plore® 8000 OV/AG/HE	67 39 565	
		Dräger X-plore® 8000 MultGas HEPA (CL/HF/AM/MA/FM/HS/SD/HC/HE)	67 39 570	
	Accessories		Dräger X-plore® 8000 Storage box	R 59 690
			Dräger X-plore® 8000 Hose cover, disposable	R 59 670
		Dräger X-plore® 8000 Hose cover, spark proof	R 59 660	

Select the appropriate Dräger X-plore® 8000 respirators for the Dräger X-plore® 8000 PAPR from the available product information: Dräger X-plore® 8000 hood, helmets, visors und masks.

## Notes

X-plore® is a trademark of Dräger.

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