

Dräger X-Plore® 8000 Cleaning and Maintenance Guide



Fig 1. Visual inspection

Visually inspect the components

Every time before use, perform a visual inspection of your equipment by checking all parts thoroughly (**Fig 1**). Pay particular attention to the filter sealing surface on the fan unit for scratches, damage or contamination.


 Segments light up in green.	Battery capacity depending on number of displayed segments: <ul style="list-style-type: none"> > 75 % (4 segments) > 50 % (3 segments) > 25 % (2 segments) < 25 % (1 segment)
--	---

Fig 2. Battery indicator explanation





Indicator	Explanation
 Status LED is green .	Rechargeable battery is inserted and fully charged (standby mode)
 Status LED is flash- ing green .	Rechargeable battery is inserted and being charged.
 Status LED is red .	Rechargeable battery is not inserted.
 Status LED is flash- ing red .	Malfunction

Fig 3. Indication explanation while charging

Remove and recharge the battery

To remove the battery push down on the blue battery lock tab on the reverse of the unit and fold out. Press the 'Test' button to check capacity and replace or recharge as necessary (**Fig 2**). If charging is required, connect the battery to the charger unit, connect to a power source and wait until fully charged (**Fig 3**).

Dräger X-Plore[®] 8000 Cleaning and Maintenance Guide (continued)

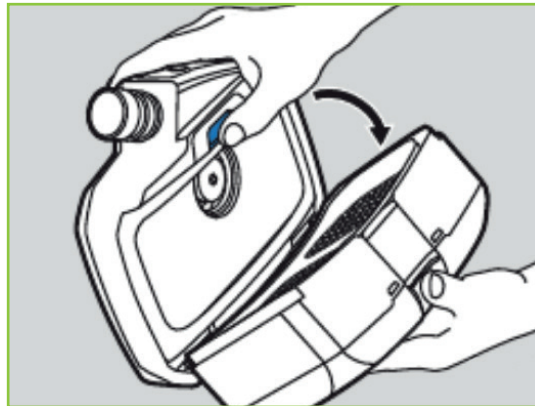


Fig. 4 Removing and attaching a filter from the blower unit

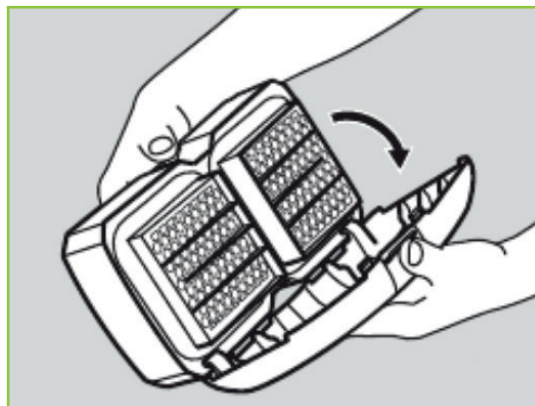


Fig. 5 Removing and attaching the splash guard onto a gas filter

Replace the filter

Remove all packaging and blue plastic guard pieces from the new filter. Remove the used filter and splash guard by pushing the blue filter locking tab in and folding outwards (**Fig 4**).

For Particle filters: Gently pry the splash guard from the old filter. Inspect the new filter's rubber seal for damage and click the splash guard into place. Lock the clips of the filter with splash guard into the bottom of the blower unit and fold together until you hear an audible snap (**Fig 5**).

For Gas filters: Unclip the splash guard from the old filter by pushing down on the indent in the top-middle of the guard and fold outwards (**Fig 5**). Inspect the new filter's rubber seal for damage. Locate the coloured dot on the bottom middle of the front-face of the filter, indicating the filter's orientation. Slide the bottom clips of the splash guard into the bottom of the filter and fold together (**Fig 5**). Lock the clips of the filter with splash guard into the bottom of the blower unit and fold together until you hear an audible snap (**Fig 4**).

Dräger X-Plore® 8000 Cleaning and Maintenance Guide (continued)




Fault	Cause	Remedy
 A segment of the battery status indicator is flashing yellow .	The residual run-time of the re-chargeable battery is low (< 30 minutes).	Recharge the battery soon or replace with fully charged battery
 A segment of the particle filter residual capacity indicator is flashing yellow .	The particle filter residual capacity is low (< 20 %).	Change particle or combination filter soon
 A segment of the flow rate indicator is flashing yellow .	Malfunction during switch-on (e.g. caused by missing hose or filter).	Verify device function and prepare again for use

Fig. 6 Amber lights indicate an issue that needs addressing




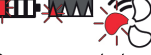
Fault	Cause	Remedy
 A segment of the battery status indicator is flashing red .	The residual run-time of the re-chargeable battery is almost exhausted (< 10 minutes).	Recharge the battery or replace with fully charged battery
 A segment of the particle filter residual capacity indicator is flashing red .	The particle filter residual capacity is almost exhausted (< 10 %).	Change particle or combination filter
 A segment of the flow rate indicator is flashing red .	Faulty breathing air supply during operation (e.g. caused by missing hose or filter).	Verify device function and prepare again for use
 One segment at a time is flashing red .	General system error	Device must be checked by Dräger Service.

Fig. 7 Red lights indicate a serious issue that needs addressing

Troubleshooting

Turning the unit on will cause it to perform a self-test for malfunctions. If an error occurs, one of the indicators on the top of the unit will flash amber (**Fig 6**) or red (**Fig 7**) accompanied by an acoustic alarm and vibration.

NB: The residual capacity of gas filters cannot be indicated by this device.

Dräger X-Plore[®] 8000 Cleaning and Maintenance Guide (continued)



Fig. 8 The flow rate indicator

Check the flow rate

With a filter and hose attached, turn on and wait for the self-test to complete. Cover the open end of the breathing hose with your hand. After 5 seconds you should hear the unit start to run faster and an alarm will be triggered. The panel will flash red indicating the air supply is blocked (**Fig 8**). If no alarm is triggered, the fan speed remains unchanged, or the warning does not stop after removing your hand - do not use and consult your supplier.

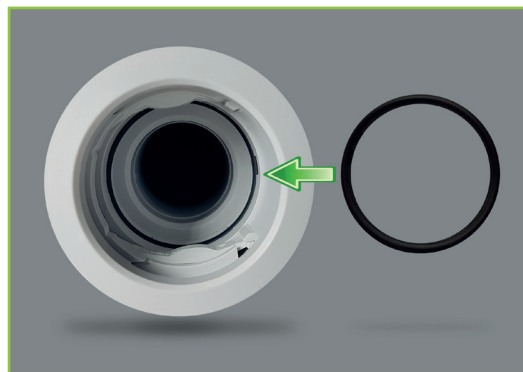


Fig. 9 Location of the O-ring

Replacement parts

The two rubber O-rings in the hose connector should be replaced annually to reduce malfunction. Remove the old O-ring using the removal tool and insert a new O-ring in the groove (**Fig 9**).

Dräger X-Plore® 8000 Cleaning and Maintenance Guide (continued)

Component	Cleaning	Drying
PAPR Unit	Pal TECH Multi Surface Antibacterial Wipes	N/A
	Cleaning under running water*	Open air
Carrying System	Soft cloth + Sekusept® Cleaner	Open air or in a drying closet (max. 60°C)
Hose	Soft cloth + Sekusept® Cleaner	Open air or in a drying closet (max. 60°C)
Filter	N/A	N/A
Disposable Hood	N/A	N/A
Reusable Hoods	Soft cloth + Sekusept® Cleaner	Open air or in a drying closet (max. 60°C)
Protective Visor	Soft cloth + Sekusept® Cleaner	Open air or in a drying closet (max. 55°C)

* Plugs for hose connection opening and blower inlet opening required. Battery must be connected.

Fig. 10 Cleaning

Cleaning

The unit should be properly cleaned before being stored. Clean using a disinfectant wipe or a damp, lint-free cloth and allow to air dry in a well-ventilated area - as detailed in the table above (**Fig 10**). The use of strong cleaning products such as chemical wipes or bleach may have an adverse effect on the unit. If used, they should be rinsed off immediately. All cleaning and maintenance should be properly recorded. In case of strong contamination, the fan unit can be rinsed under running water. First, make sure the rechargeable battery remains inserted - water must not enter the battery compartment. Close suction inlet and tube connection with protective caps (available as accessories) and rinse under clean water.



Fig. 11 Store in a clean, dry environment

Storage

When not in use, the battery and filter should be removed. Store in a clean, dry environment, away from direct heat sources between +50°C and -20°C, at a humidity of less than 95% (**Fig 11**).

Deeply discharged batteries may get damaged during prolonged storage. For best results, charge batteries between 50-70% prior to storage and top up intermittently.



Serial Number: _____

Date Commissioned: _____

	Maintenance Required	Date of Action	Fit for use? (please circle)	Name and Signature
Cleanliness			Yes/No	
Filter Check			Yes/No	
Hood			Yes/No	
Hose			Yes/No	
Valves/ Diaphragms			Yes/No	
Belt & Buckles			Yes/No	
Battery Charged			Yes/No	
Fan Unit			Yes/No	
Adequate Flow Rate			Yes/No	

“You must keep records of examination and testing and any repairs made for at least 5 years” Health & Safety Executive HSG53