

Dräger

Dräger. Technology for Life®

Dräger PARAT® Escape Hoods



In an emergency situation, there is no time to spare. Users don't have time to read lengthy instruction manuals for their equipment. An escape hood, especially, must be fast and easy to use.

Dräger PARAT® Escape hoods were developed in cooperation with users – always with the focus on the fastest possible escape.

Optimized operation and wearing comfort, a robust housing and tested filters guarantee that the wearer of the Dräger PARAT® is protected from toxic industrial and fire-related gasses, vapours and particles for at least 15 minutes.

Dräger PARAT[®] Ready for escape in only three steps

STEP 1
OPEN

STEP 2
DON

STEP 3
RUN



The filters reliably protect the user from a wide range of toxic industrial and fire-related gasses, vapours and particles.

The specially designed, anti-fog coated visor provides a **clear view** during an escape.

Dräger PARAT[®] at a glance.

Clearly visible hood

Hood in signal colour for high visibility

Internal head harness

Thanks to the automatically adjusting internal head harness, no additional tightening of the hood is required.

High-performance filter

Filter expiration date is clearly marked; the filter is automatically released from the packaging when opened.

Exhalation valve

Directly leads the exhaled air out of the half mask



Overall protection

16 years of total service life (provided the filter is exchanged after 8 years.), Hood provides respiratory and eye protection

Clear view

Wide field of vision due to a specially formed visor. Always a clear view thanks to a special anti-fog coating

Good fit

Specially designed half mask fits a wide variety of face sizes

Textile neck seal

Replacing the filter after 8 years will extend the service life of the Dräger PARAT Escape Hood to 16 years in total.

Dräger PARAT 7500

FIRE & INDUSTRIAL ESCAPE HOOD DRÄGER PARAT 7500



Use

protection against [toxic industrial gasses, vapours, particles and fire-related gasses](#)

Filter

ABEK CO P3 Filter

Approval

according to EN 403:2004 for fire escape hoods;

according to DIN 58647-7 for filtering escape devices;

filter additionally tested in accordance with EN 14387:2004 for gas filter (s) and combined filter (s)

Packaging types

available in Hard Case and Soft Pack

Carrying options

various carrying options

Donning Soft Pack

Dräger PARAT® Soft Pack



Break the security seal.



Pull the yellow flap downwards.



Open the soft pack completely. The front filter sealing plug should be automatically removed.



Remove the hood from the Soft Pack. Pull the hood against the Velcro holder, it will automatically open. The second filter sealing plug will automatically be detached when the hood is removed.



Widen the neck seal and pull the hood over your head. The inner head harness automatically adjusts to your head. Ensure that nose and chin sit comfortably in the half mask and that all hair is tucked into the hood.



Check the fit of the half mask by closing the front filtering opening with the palm of your hand. If negative pressure is not generated readjust the half mask to ensure a close fit over nose and mouth.



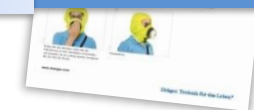
Ready for use.

Video on



http://www.youtube.com/watch?v=DMtHs_h5VAg&feature=youtu.be

Donning poster
order code:
9094201



Filter replacement



The window on the Soft Pack and Hard Case packaging allows the easy control of the filter expiration date.

Replacing the filter after **8 years** extends the service life of the Dräger PARAT Escape Hood to 16 years in total.

For this, Dräger offers filter replacement service or an expert training for your employees.

In the long term, this offers you great cost savings.

Take a look at the respective instructions on our youtube channel:

<http://www.youtube.com/user/draeger>

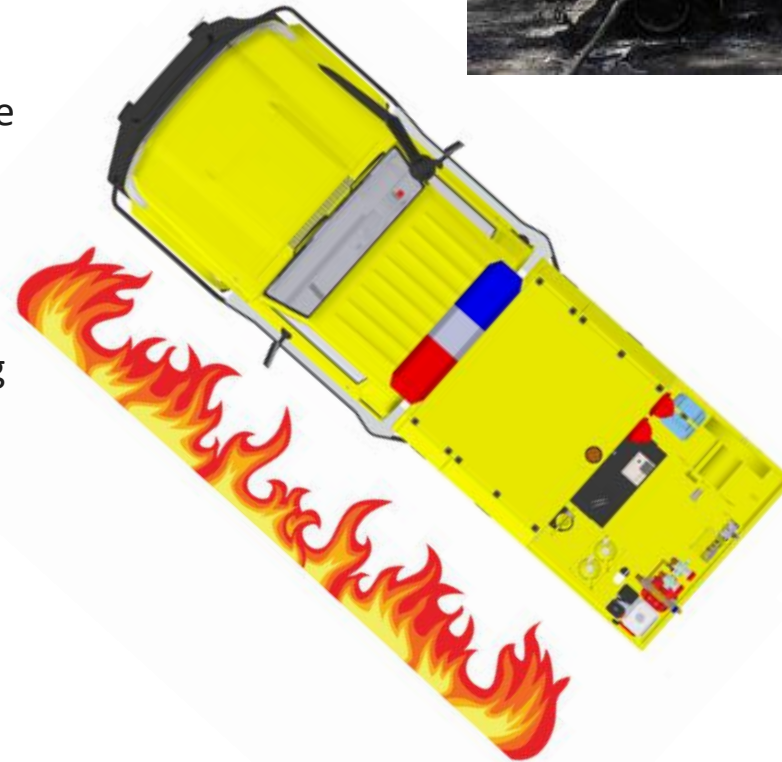


Dräger PARAT 7500 use in wildfire vehicle overrun scenario

When to deploy Dräger PARAT 7500

Scenario 1 – Vehicle Fire Overrun

- Vehicle Impacted by embers and then direct flame.
- Crew send Emergency Radio message deploy their Dräger PARAT 7500 while sheltering in the vehicle for shelter during flame impact.
- Crew is protected from the potential for the materials of the vehicle that would off gas while being impacted by the fire
- Once the fire has passed the vehicle the crew can leave the vehicle while wearing the Dräger PARAT 7500 protecting them from CO and protection from smoke from the burning vehicle.



When to deploy Dräger PARAT 7500

Scenario 2 – Protecting Vulnerable People

Dräger PARAT 7500 could be deployed to support vulnerable people who are affected by heavy smoke due to the bushfires impacting on communities .

This could be deployed for people with respiratory conditions such as asthma providing them protection against the particulates and the gasses within the smoke



When to deploy Dräger PARAT 7500

Scenario 3 – Chemical Spills

It's not uncommon for Rural Fire Brigades to be called to unknown incidents to later find that there are chemical spills or incidents with unknown hazardous substances.

The Dräger PARAT 7500 could be deployed to protect the firefighter from the effects of the chemicals while they are returning to a safe place some distance away from the incident.



When to deploy Dräger PARAT 7500

Scenario 4 – Building evacuation

PARAT 7500

When every second counts

A fire fighter must always be ready to rescue and able to protect victims from fire-related gases. The PARAT 5550 is approved to be carried directly on the breathing apparatus. So an escape hood is always available. Additionally there are pockets for other utensils like wedges and loops which can come in handy in an emergency situation.



Dräger Escape Hoods Standards

Dräger PARAT Escape Hoods

Standards EN 403:2004

European standard for: Respiratory protective devices for self-rescue, filtering devices with hood for escape from fire”

This European standard is valid for hooded filtering escape devices for the individual escaping from particles, carbon monoxide and other fire-related gasses.

- The standard defines the minimal requirements for an escape unit (e.g. min. 15 minutes of escape time), the scope of its purpose (e.g. definition as single use only) and describes the required tests and markings.
- This standard is not valid for escape devices, which can be used in case of oxygen deficiency → O₂ concentration >17%

Criteria for test gas and breakthrough concentration

Test Gas	Test Gas Concentration (ppm)	Breakthrough Concentration (ppm)
Acrolein	100	0.5
Hydrogen Chloride (HCl)	1,000	5
Hydrogen Cyanide (HCN)	400	10
Carbon Monoxide (CO)	2,500	200
Carbon Monoxide (CO)	7,500	200
Carbon Monoxide (CO)	5,000	200
Carbon Monoxide (CO)	10,000	200

Dräger PARAT Escape Hoods

Standards DIN 58647-7

German standard for: “Respiratory protective devices for self rescue, part 7: Filtering escape devices”

- This standard sets the minimum requirements for filtering escape devices for personal escape from industrial gasses, vapours &/or particles for one time use
- This standard is not valid for escape devices which can be used in the case of an oxygen deficiency → O₂ concentration >17% or for devices which protect against CO

Criteria for test gas and breakthrough concentration

Test Gas	Test Gas Concentration (ppm)	Breakthrough Concentration (ppm)
Cyclohexane (C ₆ H ₁₂)	2,500	10
Chlorine (Cl ₂)	2,500	0.5
Hydrogen Sulphide (H ₂ S)	2,500	10
Hydrogen Cyanide (HCN)	2,500	10
Sulphur Dioxide (SO ₂)	2,500	5
Ammonia (NH ₃)	2,500	25
Hydrogen Sulphide (H ₂ S)	10,000*	20

* To determine the breakthrough capacity of the gas filter it is additionally tested with 10,000 ppm hydrogen sulphide.

Dräger Video Links

Testimonial PARAT Escape Hood : <https://youtu.be/w9khPkyxyp0>

Third-party rescue with PARAT 7500: <https://youtu.be/7FRIFqkjXk0>

Dräger PARAT Training Hood: <https://youtu.be/cyUNKBFFO94>

Dräger PARAT Soft Pack - Speed Contest: <https://youtu.be/MsitcuR-rwl>

Dräger PARAT 7520

Flame Resistance

Flame resistance

The unit does not contain easily flammable parts. At $800 \pm 50^{\circ}\text{C}$ the device is pulled through an open flame at 6 ± 0.5 cm/sec. – when removed from the flame, the device stops burning (self-extinguishing).

Taken From:

Technical Data Sheet

Dräger PARAT 7500 Fire and Industrial Escape Hood

02

Dräger PARAT 7520 Part number Information


Ordering Information



Overview Order Codes


Fire and Industrial Escape Hoods

Industrial and Fire Escape Filter ABEK CO P3

	Description	Packaging	Order Code
	Dräger PARAT 7520	Soft Pack	R 59 427
	Replacement Filter Set: Dräger PARAT 7500 (incl. ABEK CO P3 filter and security seal)		R 59 477

Overview Order Codes

Training Hoods

Description	Packaging	Order Code
 Dräger PARAT Training Hood	Soft Pack	R 59 420
Spare Part Set: 20 filter plug straps	–	R 59 482
Spare Part Set: security seal (white) 10 pcs.	–	R 59 484

Especially for training purposes:
Hood contains a filter dummy.

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