

Technical Data Sheet

Dräger X-plore® Rd40 Respiratory Filter 940 A2B2E2K1



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1.0	General Data
1.1	Manufacturer Dräger Safety AG & Co. KGaA Revalstraße 1, D – 23 560 Luebeck, Germany
1.2	Designation 940 A2B2E2K1
1.3	Dräger part no. 67 38 802 EAN-Code 4026056004669
1.4	Intended use Respiratory protection against gases and vapours in conjunction with a specified face piece. Scope of protection as indicated by product documentation, technical standards and installed application rules.
1.5	Relevant standards DIN EN 14387:2008
1.6	Certification EU type approval test certificate, granted by accredited and notified test institute IFA, Alte Heerstr. 111, 53757 St. Augustin, Germany

2.0	Design & Construction
2.1	Connection to facepiece Standard thread connection Rd40 (Rd 40 mm x 1/7") as per EN148 part 1
2.2	Materials Filter housing: aluminium, coated inside Sorbents: activated carbon Plugs: plastics Label and seals: paper
2.3	Design The filter housing has a round shape and consists of the filter pot and the filter cover. Filter pot includes the Rd40 thread, filter cover has a round opening to the inhalation side. There is one filter bed with carbon. It is fixed by the housing and internal sieves. Both openings are leaktight closed by plastic plugs and therefore protected against ingress of water vapour.
2.4	Working principle Gases and vapours are removed from the ambient air by adsorption onto the sorbent (activated carbon).
2.5	Shelf life 4+2 years
2.6	Dimensions Outer diameter: 92 mm Height (incl. thread and plugs): 99 mm Volume activated carbon: 290 mL
2.7	Weight Incl. plugs, excl. package: approx. 260 g

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3.0 Performance Data	(minimum data in accordance with standard)	
3.1 Particle filtration efficiency	not applicable	
3.2 Gas filtration capacity	Test conditions:	30 L/min flow rate, 70% rel. humidity

Type	Test gas	Class	Concentration	Breakthrough	Min. duration
A	Cyclohexane (C ₆ H ₁₂)	2	5,000 ppm	10 ppm	35 min
B	Chlorine (Cl ₂)	2	5,000 ppm	0.5 ppm	20 min
	Hydrogen Sulphide (H ₂ S)	2	5,000 ppm	10 ppm	40 min
	Hydrocyanic Acid (HCN)	2	5,000 ppm	10 ppm	25 min
E	Sulphur Dioxide (SO ₂)	2	5,000 ppm	5 ppm	20 min
K	Ammonia (NH ₃)	1	1,000 ppm	25 ppm	50 min

3.3 Breathing resistance	at 30 litres/min, constant flow at 95 litres/min, constant flow	max. 1.4 mbar max. 5.6 mbar
3.4 Mechanical resistance	Resistant to shock and vibration as required by EN 14387	
3.5 Chemical resistance	For normal use conditions the filter is resistant against temperature, humidity and corrosives. The filter is internally resistant against the filtering agents (sorbents). Ingress of water or other liquids must be avoided.	

4.0 Documentation	
4.1 Markings	Label: marking includes colour coding in accordance with EN14387, batch number, expire date, approval number and indication on the instruction for use (sand clock symbol). Approval marking: CE 0158
4.2 Instructions for use	<p><u>Standard IFU with main languages:</u> English, French, German, Spanish, Portuguese, Italian, Norwegian, Swedish, Danish, Dutch, Greece, Turkish</p> <p><u>Additional IFU South-East Europe:</u> Bulgarian, Rumanian, Slovenian, Slovak, Czech, Hungarian</p> <p><u>Additional IFU North-East Europe:</u> Finnish, Estonian, Lithuanian, Latvian, Polish, Russian</p> <p><u>Additional IFU Asia:</u> Chinese</p>

5.0 Packing & Packaging	
5.1 Package	Carton, robust for normal transportation and storage, closed with factory label indicating designation, type of filter, batch number, expire date
5.2 Packaged units	1 filter per carton, incl. 1 standard IFU (additional IFU if required)

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6.0 User notes	
6.1 System Compatibility	<p>Suitable for:</p> <ul style="list-style-type: none">• all half masks with standard thread Rd40 according to EN 148-1 (Rd 40 mm x 1/7"), e.g. Dräger X-plore® 4740• all full face masks with standard thread Rd40 according to EN 148-1 (Rd 40 mm x 1/7"), e.g. Dräger X-plore® 6300 / 6500
6.2 User notes and limitations	<p>The filter conforms to the minimum requirements of the standard indicated by the class and type of the filter it is marked with. It must be noted that laboratory values can differ from those measured in practise. This may result in longer or shorter break through times. The user must read and understand the instructions for use. Additionally the knowledge of all relevant application rules is mandatory (see in particular the limitations in use). Further information on request.</p>

Dräger Safety AG & Co. KGaA