Technical Data Sheet



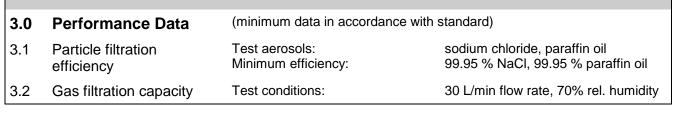
Dräger X-plore® Rd90 Respiratory Filter

990 A1 P3 R D

1.0	General Data	
1.1	Manufacturer	Dräger Safety AG & Co. KGaA Revalstraße 1, D – 23 560 Luebeck, Germany
1.2	Designation	990 A1 P3 R D
1.3	Dräger part no.	67 38 869
	EAN Code	4026056005321
1.4	Intended use	Respiratory protection against gases, vapours and particles 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	Round thread connection Rd90 (Rd 91 mm x 1/7"), Dräger specific		
2.2	Materials	Filter housing: Sorbents: Particle filter: Label and seals:	aluminium, coa activated carbo micro-glass fib paper	
2.3	Design	The filter housing has a round shape and consists of the filter pot with the Rd90 thread outside. At the inhalation side the filter housing has integrated wholes. The filter includes one filter bed with activated carbon. It is fixed by the housing and internal sieves. The particle filter is positioned in front of the gas filtration parts. It is made of one part and has round folds. A particle tight connection between the particle filter and the housing is performed by butyl glue.		
2.4	Working principle	Gases and vapours are removed from the ambient air by adsorption onto the sorbent (activated carbon), particles are filtered by the fibre filter.		
2.5	Shelf life	Max. 6 years (4+2)		
2.6	Dimensions	Outer diameter: Height (incl. thread Volume activated c		96.5 mm 34 mm 110 mL
2.7	Weight	Excl. package:		approx. 105 g

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Туре	Test gas	Class	Concentration	Breakthrough	Min. duration
А	Cyclohexane (C ₆ H ₁₂)	1	1,000 ppm	10 ppm	70 min

3.3	Breathing resistance	at 30 litres/min, constant flow 2.2 mbar at 95 litres/min, constant flow 8.2 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 EN 14387, 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	<u>Standard IFU with main languages:</u> English, French, German, Spanish, Portuguese, Italian, Norwegian, Swedish, Danish, Dutch, Greece, Turkish
		<u>Additional IFU South-East Europe:</u> Bulgarian, Rumanian, Slovenian, Slovak, Czech, Hungarian
		<u>Additional IFU North-East Europe:</u> Finnish, Estonian, Lithuanian, Latvian, Polish, Russian
		Additional IFU Asia: Chinese

5.0	Packing & Packaging	
5.1	Package	Each filter is packed in an aluminium foil bag; the box is robust for normal transportation and storage, closed with factory label indicating designation, type of filter, batch number, expire date
5.2	Packaging unit	5 filters per carton, incl. 1 standard IFU (additional IFU if required)

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6.0	User Notes	
6.1	System usability	Suitable for all half masks with Dräger specific thread Rd90 (Rd 91 mm x 1/7"), e.g. Dräger X-plore [®] 4790
		Extended use: In connection with the Dräger filter box 40/90 suitable for all positive tested (non power assisted) face pieces with a standard thread connection conforming to EN 148-1.
6.2	Limitations	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 practice. 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.

Dräger Safety AG & Co. KGaA