Technical Data Sheet Dräger X-plore[®] Rd40 Respiratory Filter 940 A2B2E2K1



2.0	Design & Construction	1		
2.1	Connection to facepiece	Standard thread co	nnection Rd40 (Rd 40 mm x 1/7") as	s per EN148 part 1
2.2	Materials	Filter housing: Sorbents: Plugs: Label and seals:	aluminium, coated inside activated carbon plastics 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: Height (incl. thread Volume activated c		92 mm 99 mm 290 mL
2.7	Weight	Incl. plugs, excl. pa	ckage:	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

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Туре	Test gas	Class	Concentration	Breakthrough	Min. duration
А	Cyclohexane (C ₆ H ₁₂)	2	5,000 ppm	10 ppm	35 min
В	Chlorine (Cl ₂) Hydrogen Sulphide (H ₂ S) Hydrocyanic Acid (HCN)	2 2 2	5,000 ppm 5,000 ppm 5,000 ppm	0.5 ppm 10 ppm 10 ppm	20 min 40 min 25 min
E	Sulphur Dioxide (SO2)	2	5,000 ppm	5 ppm	20 min
К	Ammonia (NH ₃)	1	1,000 ppm	25 ppm	50 min

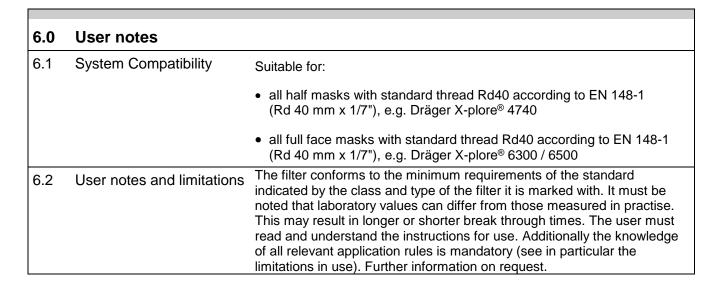
3.3	Breathing resistance	at 30 litres/min, constant flow at 95 litres/min, constant flow	max. 1.4 mbar max. 5.6 mbar
3.4	Mechanical resistance	Resistant to shock and vibration as required by EN 14387	
3.5	Chemical resistance	For normal use conditions the filter is resistant against temperature, humidity 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	<u>Standard IFU with main languages:</u> English, French, German, Spanish, Portuguese, Italian, Norwegian, Swedish, Danish, Dutch, Greece, Turkish
		Additional IFU South-East Europe: 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	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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