

Technical Data Sheet

Dräger X-plore® Bayonet Respiratory Filter A1B1E1K1 Hg 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 Bayonet A1B1E1K1 Hg P3 R D
1.3	Dräger part no. 6738817 EAN Code Pair: 4026056004775 Box: 4026056004782
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 Dräger-specific bayonet connection
2.2	Materials Filter housing: ABS-plastic Sorbents: activated carbon Particle filter: micro-glass fibres Labels: paper
2.3	Design The filter housing is tear drop shaped. At the inhalation side the filter housing has integrated air inlets. There is one filter bed with activated carbon. It is fixed by the housing parts and fleece materials. The particle filter is made of pleated paper. A particle tight connection between the particle filter and the particle filter housing is performed by glue. The gas filter part and the particle filter are connected leaktightly by ultrasonic welding.
2.4	Working principle Gases and vapours are removed from the ambient air by adsorption onto the sorbent (carbon), particles are filtered by the fibre filter.
2.5	Shelf life 6 years (4+2)
2.6	Dimensions Outer diameter: 106 x 84 mm (L x B) Height (incl. bayonet connection): 56 mm Volume carbon: 107 ml
2.7	Weight Excl. package: approx. 145 g

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3.0 Performance Data	(minimum data in accordance with standard)		
3.1 Particle filtration efficiency	Test aerosols: Minimum efficiency (EN 143):	sodium chloride, paraffin oil 99.95% NaCl, 99.95% paraffin oil	
3.2 Gas filtration capacity	Test conditions (EN 14387):	30 L/min flow rate, 70% rel. humidity	

Type	Test gas	Class	Test Gas Concentration	Breakthrough Concentration	Minimum Duration Time
A	Cyclohexane (C ₆ H ₁₂)	1	1,000 ppm / 3.5 mg/l	10 ml/m ³	70 min
B	Chlorine (Cl ₂)	1	1,000 ppm / 3.0 mg/l	0.5 ml/m ³	20 min
	Hydrogen Sulphide (H ₂ S)	1	1,000 ppm / 1.4 mg/l	10 ml/m ³	40 min
	Hydrogen Cyanide (HCN)	1	1,000 ppm / 1.1 mg/l	10 ml/m ³	25 min
E	Schwefeldioxid (SO ₂)	1	1,000 ppm / 2.7 mg/l	5 ml/m ³	20 min
K	Ammonia (NH ₃)	1	1,000 ppm / 0.7 mg/l	25 ppm	50 min
Hg	Mercury Vapour (Hg)	one class only	13.1 mg/m ³ / 1.6 ml/m ³	0.1 mg/m ³	100 h only max. 50 h use allowed (EN)

Note: 1,000 ppm = 1,000 ml/m³ = 0.1 Vol.-%

3.3 Breathing resistance	at ½ x 30 litres/min, constant flow at ½ x 95 litres/min, constant flow	max. 2.6 mbar (EN 14387) max. 9.8 mbar (EN 14387)
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	<p><u>Filter banderole:</u> marking shows colour coding in accordance with EN 14387, applicable standard, designation, filter type and name of manufacturer</p> <p><u>Filter label:</u> marking shows applicable standard, filter type, batch number, expiry date (sand clock symbol), order code, indication on the instruction for use and approval marking: CE 0158</p>
4.2 Instructions for use	<u>25 languages per box</u> - English, German, French, Spanish, Italian, Dutch, Portuguese, Norwegian, Swedish, Danish, Finnish, Latvian, Lithuanian, Estonian, Polish, Czech, Slovak, Slovenian, Hungarian, Bulgarian, Romanian, Greek, Turkish, Russian, Chinese.

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5.0 Packing & Packaging

5.1	Package	The filters are packed in pairs in a sealed aluminium foil bag. The EAN code is printed on each bag. 7 pairs are packed in a cardboard box accompanied by one instruction for use. The box is robust for normal transportation and storage, closed with factory label indicating partnumber, designation, filter type, quantity, batch number, expiry date, applicable standard and the EAN code for the packing unit.
5.2	Packing unit	7 pairs

6.0 User Notes

6.1	System usability	Suitable for use with <ul style="list-style-type: none">• all Dräger X-plore® half masks with Dräger bayonet connection: Dräger X-plore® 3300 and Dräger X-plore® 3500• all Dräger X-plore® full face masks with Dräger bayonet connection: Dräger X-plore® 5500
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