

Technical Data Sheet

Dräger X-plore® Bayonet Respiratory Filter A1B1E1



1.0 General Data

1.1	Manufacturer	Dräger Safety AG & Co. KGaA Revalstraße 1, D – 23 560 Luebeck, Germany
1.2	Designation	Bayonet A1B1E1
1.3	Dräger part no.	6738778
	EAN Code	Pair: 4026056004607 Box: 4026056004614
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 BGIA, 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 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.
2.4	Working principle	Gases and vapours are removed from the ambient air by adsorption onto the sorbent (activated carbon).
2.5	Shelf life	6 years (4+2)
2.6	Dimensions	Outer diameter: 103 x 81 mm (L x B) Height (incl. bayonet connection): 35 mm Volume activated carbon: 107 ml Volume of the filter: 147 ml
2.7	Weight	Excl. package: approx. 110 g

Technical Data Sheet

Dräger X-plore® Bayonet Respiratory Filter A1B1E1



3.0 Performance Data	(minimum data in accordance with standard)	
3.1 Particle filtration efficiency	Not applicable	
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

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

3.3 Breathing resistance	at ½ x 30 litres/min, constant flow max. 1.0 mbar (as per EN 14387) at ½ x 95 litres/min, constant flow max. 4.0 mbar (as per 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.

Technical Data Sheet

Dräger X-plore® Bayonet Respiratory Filter A1B1E1



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. 10 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	10 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 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