

Technical Data Sheet

Particle Filtering Half Mask

Dräger X-plore 1700 C FFP2 + FFP3

1.0	General Data	
1.1	Manufacturer	Dräger Safety AG & Co. KGaA, Revalstraße 1, D - 23560 Lübeck, Germany.
1.2	Designation	<p>a) X-plore 1720 C FFP2 NR D (excl. exhalation valve).</p> <p>b) X-plore 1720 CV FFP2 NR D (incl. exhalation valve).</p> <p>c) X-plore 1730 C FFP3 NR D (excl. exhalation valve).</p> <p>d) X-plore 1730 CV FFP3 NR D (incl. exhalation valve).</p>
1.3	Dräger part no.	<p>a) 39 51 193</p> <p>b) 39 51 194</p> <p>c) 39 51 196</p> <p>d) 39 51 198</p>
1.4	Intended use	Protection against solid and liquid non-volatile particles. Scope of protection as indicated by product documentation, technical standards and installed application rules.
1.5	Relevant standards	EN 149: 2001+A1:2009 (Particle Filtering Half Masks).
1.6	Approval	<p>Approval pending.</p> <p>Will be CE type approval test certificate, tests carried out and granted by accredited and notified body Institut für Arbeitsschutz der Deutschen gesetzlichen Unfallversicherung (IFA).</p>

2.0	Design & Construction	
2.1	Materials	<p>Particle filter: Mechanical + electrostatically charged nonwoven material.</p> <p>Head strap:</p> <p>a) X-plore 1720 C + CV: Natural rubber latex covered with woven textile</p> <p>b) X-plore 1730 C + CV: Polyester and elastane (latex-free)</p> <p>Nose clip: Tinplate, free of aluminium.</p> <p>Nose seal: PVC.</p>
2.2	Construction	The particle filtering half masks X-plore 1700 C consist of several layers of nonwoven materials, partly with electrostatic charge.
2.3	Working principle	Particle filtration by combined electrostatically charged and mechanical filter media.
2.4	Shelf life	<p>a) X-plore 1720 C and CV: 5 years.</p> <p>b) X-plore 1730 C and CV: 4 years</p>
2.5	Dimensions	155 mm x 115 mm.

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3.0	Performance Data	(minimum data in accordance with standard, incl. loading test with 120 mg paraffin oil.)	
3.1	Particle filtration efficiency (EN 149)	Test aerosols and minimum efficiency:	sodium chloride: 94 % FFP2, 99% FFP3 paraffin oil: 94 % FFP2, 99% FFP3
3.2	Gas filtration capacity	Not applicable.	
3.3	Breathing resistance inhalation (EN149)	at 30 litres/min, constant flow:	max. 0,7 mbar FFP2, max 1,0 mbar FFP3
		at 95 litres/min, constant flow:	max. 2,4 mbar FFP2, max 3,0 mbar FFP3
	Breathing resistance exhalation (EN 149)	at 160 litres/min, constant flow:	max. 3,0 mbar, both FFP2 and FFP3.
3.4	Dolomite Clogging Test	Passed	

4.0	Documentation		
4.1	Markings	Label: markings in accordance with EN 149: 2001+A1:2009, expiry date, producer and approval number. Approval marking: CE 0158.	
4.2	Instructions for use	Each smallest packaging unit of masks is accompanied by an instruction for use.	

5.0	Packing & Packaging		
5.1	Packing	Each mask is packed hygienically in a single plastic bag.	
5.2	Packaging units	a) + c)	20 pcs. each box
		b) + d)	10 pcs. each box

6.0	User notes and limitations	Dräger Safety AG & Co. KGaA guarantees the performance indicated by the class and type of the filter it is marked with. It must be noted that laboratory values differ from those that can be 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 vital (see in particular the limitations in use). Further information on request.	
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Dräger Safety AG & Co. KGaA