

# Technical Data Sheet

## Dräger Respiratory Filter

### X-plore Pure P100

<b>1.0 General Data</b>	
1.1	<b>Manufacturer</b> Dräger Safety AG & Co. KGaA Revalstraße 1, D – 23 560 Luebeck, Germany
1.2	<b>Designation</b> X-plore Pure P100
1.3	<b>Dräger part no.</b> 6738350
1.4	<b>Intended use</b> Respiratory protection against particles in conjunction with a specified face piece. Scope of protection as indicated by product documentation, technical standards and installed application rules.
1.5	<b>Relevant standards</b> Federal register 42 CFR part 84
1.6	<b>Certification</b> TC – 84A – 4481, TC – 84A – 4482

<b>2.0 Design &amp; Construction</b>	
2.1	<b>Connection to facepiece</b> The X-plore Pure P100 can be used with an X-plore bayonet gas cartridge together with an X-plore Pure adaptor in order to create a combined cartridge or just as a pure P100 filter.
2.2	<b>Materials</b> Filter medium:      Synsafe®
2.3	<b>Design</b> The pad particle filter is tear drop shaped.
2.4	<b>Working principle</b> Particle filtration by Synsafe® material
2.5	<b>Shelf life</b> max. 4 years (2+2) from date of production
2.6	<b>Dimensions</b> Outer diameter:                      139 x 94 mm (L x B) Height (incl. bayonet connection): 24 mm Volume of the filter:                approx. 115 ml
2.7	<b>Weight</b> excl. package:                        approx. 20 g

<b>3.0 Performance Data</b>		(minimum data in accordance with standard)	
3.1	<b>Particle filtration efficiency</b>	Test aerosol:                      DOP Minimum efficiency (42 CFR 84):                        99.97 %	
3.2	<b>Inhalation breathing resistance (for system of mask and filters)</b>	at ½ x 85 litres/min, constant flow (42 CFR 84)	with half mask:            max. 35 mm H <sub>2</sub> O initial with full face mask:    max. 35 mm H <sub>2</sub> O initial
3.3	<b>Mechanical resistance</b>	Resistant to shock and vibration as required by EN 14387:2004.	

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#### 4.0 Documentation

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|-----|----------------------|---|
| 4.1 | Markings             | Each filter is marked in accordance with 42 CFR 84 showing the batch number, part number, designation, expiry date and the approval marking: <b>NIOSH</b> . |
| 4.2 | Instructions for use | <u>3 languages</u> : US English, French, Spanish  |

#### 5.0 Packing & Packaging

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|-----|--------------|--|
| 5.1 | Package      | The filters are packed as pairs in a plastic foil bag.<br><br>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 part number, filter type, quantity, batch number, expiry date and storage conditions (temperature, humidity). |
| 5.2 | Packing unit | 10 pairs   |

#### 6.0 User notes and limitations

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|-----|-------------|--|
| 6.1 | System      | For use with <ul style="list-style-type: none"><li>• Dräger half masks X-plore 3300 and X-plore 3500</li><li>• Dräger full face mask X-plore 5500</li></ul>  |
| 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**