Technical Data Sheet
Dräger X-plore® Particle filter

1.0 General Data	
1.1 Manufacturer	Dräger Safety AG & Co. KGaA
1.2 Designation	Dräger X-plore 8000 Particle filter
	HE
1.3 Dräger part number	6739540
GTIN-Code	04026056017201
1.4 Intended use	Respiratory protection against particles in combination with the Powered Air Purifying System X-plore 8000 and a specified face piece. Scope of protection as indicated by product documentation, technical standards and installed application rules.
1.5 Relevant standards and certification	NIOSH 42 CFR Part 84, TC-21C-0971, TC-21C-0972, TC-21C-0978, TC-21C-0985, TC-21C-0988, TC-21C-DRA181, TC-21C-DRA229
2.0 Design & Construction	
2.1 Connection to Powered Air Purifying Respirator	The filter is inserted into the splash guard lid, so that the seal and the yellow-colored protective grid points downwards. It is then inserted into the fan unit until it snaps audibly into place.
2.2 Materials	Filter housing ABS
	Filter micro-glass fibres, cellulose-fibres, additives
2.3 Design	The filter is angular and curved. The bonded parallel pleated filter is located between the two curved grip protections. Inhaled air passes through the splash guard lid and the parallel pleated filter to the fan unit.
2.4 Working principle	Particles are filtered by the micro-glas fibre filter.
2.5 Dimensions Packaging	244 x 70 x 120 mm
2.6 Weight	110 g +/- 20 g
3.0 Performance Data	(Minimum requirements in accordance with standard)
3.1 Mechanical resistance	Resistant to shock and vibration as required by NIOSH 42 CFR Part 84.
3.2 Chemical resistance	For normal use conditions the filter is resistant against temperature, humidity, and corrosives. Ingress of water or other liquids must be avoided.
4.0 Packaging, storage and documentation	
4.1 Packaging	Each filter is sealed in a PE foil and packed in a cardboard box. Packaging unit is 1 piece.
4.2 Storage	The filter needs to be stored in its original packaging, dry and free of contamination, and kept from direct sunlight or heat radiation. Do not store the filter in explosive environments. Storage temperature -10 °C to 60 °C (14 °F to 136 °F) Storage humidity < 95% relative humidity service life max. 6 years (4+2) from date of manufacture
4.3 Markings	Banderole: marking includes color coding in accordance with NIOSH 42 CFR Part 84, batch number, and expiry date.
4.4 Instruction for use	Each packaging unit contains an IFU in the following languages: US-English, French, Spanish.
5.0 User Notes	
5.1 System usability	Only suitable for use with the Dräger X-plore 8000 Powered Air Purifying Respirator.
5.2 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.