

DATA SHEET

Sundström SR299-2 gas filter ABEK1HgP3 organic gas/inorganic gas/acid gas/ammonia/ mercury/particles



for Sundström half and full face masks

Updated: 17 Oct 2007

Description:	Organic gas/inorganic gas/acid gas/ammonia/mercury/particle filter class ABEK1HgP3														
Product name:	SR299-2														
Use:	<p>The filter protects against the following types of gases, vapours and particles:</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Protection</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Organic gases and vapours, such as solvents, with boiling points above +65°C.</td> </tr> <tr> <td>B</td> <td>Inorganic gases and vapours, such as chlorine, hydrogen sulphide, hydrogen cyanide.</td> </tr> <tr> <td>E</td> <td>Acid gases and vapours, such as sulphur dioxide, hydrogen fluoride.</td> </tr> <tr> <td>K</td> <td>Ammonia and certain amines, such as ethylene diamine</td> </tr> <tr> <td>Hg</td> <td>Mercury vapour. NOTE: max use 50 hours.</td> </tr> <tr> <td>P3</td> <td>All types of particulates, such as dust, mist, smoke.</td> </tr> </tbody> </table>	Type	Protection	A	Organic gases and vapours, such as solvents, with boiling points above +65°C.	B	Inorganic gases and vapours, such as chlorine, hydrogen sulphide, hydrogen cyanide.	E	Acid gases and vapours, such as sulphur dioxide, hydrogen fluoride.	K	Ammonia and certain amines, such as ethylene diamine	Hg	Mercury vapour. NOTE: max use 50 hours.	P3	All types of particulates, such as dust, mist, smoke.
Type	Protection														
A	Organic gases and vapours, such as solvents, with boiling points above +65°C.														
B	Inorganic gases and vapours, such as chlorine, hydrogen sulphide, hydrogen cyanide.														
E	Acid gases and vapours, such as sulphur dioxide, hydrogen fluoride.														
K	Ammonia and certain amines, such as ethylene diamine														
Hg	Mercury vapour. NOTE: max use 50 hours.														
P3	All types of particulates, such as dust, mist, smoke.														
Material:	Plastic polypropylene. No metal parts														
Weight:	200 g (7.1 oz)														
Dimensions:	Largest diameter: 106 mm (4.2") Thickness: 53 mm (2.1")														
Carbon:	The filter contains 145 g (5.1 oz) activated carbon														
Composition:	<p>A: Activated carbon B: Filter disc C: Intermediate disc D: Filter medium E: Filter case F: Marking label with use-by date G: Hot-melt adhesive</p>														
Filtration efficiency:	Paraffin oil: >99.998% Sodium Chloride: >99.997%														

Capacity:	Test gas	Conc (ppm)	B'through (min)	EN Stand. req.*
	A1, Cyclohexane	1,000	95	70
	B1, Chlorine	1,000	120	20
	B1, Hydr. sulph.	1,000	>120**	40
	B1, Hydr. cyan.	1,000	50	25
	E1, Sulphur dioxide	1,000	45	20
	K1, Ammonia	1,000	105	50
	Hg, Mercury vapour	13 mg/m3	>200 hours**	100 hours
<p>* <i>Min/max requirements as per EN 141: 1990</i> ** <i>Test interrupted — no breakthrough could be detected.</i></p>				
Pressure drop:	30 l/min: 140 Pa (standards requirement: <220 Pa)			
Pre-filter:	Pre-filter 221 and pre-filter holder 5153 should always be fitted NOTE: pre-filter cannot be used in lieu of particle filter in dusty environments			
Storage period:	Expiry date printed on the filter			
Storage:	Store at room temperature in clean, dry place			