

DATA SHEET

Sundström SR599 threaded gas filter A1BE2K1HgP3R organic gas/inorganic gas/acid gas/ ammonia/mercury/particles



for Sundström PAPRs SR500 and SR500ex

Updated: 11 Apr 2011

Description: Organic gas/inorganic gas/acid gas/ammonia/mercury/particle filter class A1BE2K1HgP3R* for use with Sundström SR500 and SR500ex powered air purifying respirator (PAPR)

*) R = reuseable. Filter intended to be used for more than a single shift.

Product name: SR599

Use: The filter protects against the following types of gases, vapours and particles:

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, and smoke.

Material: Plastic polypropylene. No metal parts

Weight: 420 g (14.8 oz)

Dimensions: Largest diameter: 138 mm (5.4")
Thickness: 89 mm (3.5")

Temperature:

- Service: -10°C to +55°C, <90% Rel. Hum.
- Storage: -20°C to +40°C, <90% Rel. Hum.

Capacity:	Test gas	Conc (ppm)	B'through (min)	EN Stand. req. *
	A1, Cyclohexane	500	>80	70
	B2, Chlorine	1,000	>30	20
	B2, Hydr. sulph.	1,000	>60	40
	B2, Hydr. cyan.	1,000	>35	25
	E1, Sulphur dioxide	1,000	>30	20
	K1, Ammonia	500	>75	50
	Hg, Mercury vapour	13 mg/m ₃	>104 hours	100 hours

*) Minimum requirements as per EN12941/12942: 1998

Particle filtration efficiency: Paraffin oil: >99.997%

Storage: -20°C — +40°C, <90% RH

Parts:



1. Activated carbon
2. Filter disc
3. Hot-melt adhesive
4. Particle filter medium
5. Filter case
6. Marking label

Approvals:

EN 12941/12942:1998 (Australian and other approvals to follow)