

Data Sheet: Sundström SR599



Organic + inorganic + acid gas + ammonia + mercury + particles filter A1BE2K1-Hg-P3 — threaded

Description

Organic gas/inorganic gas/acid gas/ammonia/mercury/particle filter class A1BE2K1-Hg-P3 (regular capacity) for use with Sundström PAPRs SR500 and SR500ex.

Material

Plastic polypropylene. No metal parts.

Usage

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.
P	All types of wet and dry particles, such as dust, mist, smoke, fume, bacteria, viruses, mould, fibre

Size

- Largest diameter: 138 mm
- Thickness: 89 mm

Weight

420 g

Thread

44 x 1/7".

Adsorption capacity

Test gas	Conc. (PPM)	B'through (min)
A: Cyclohexane	500	>80
B: Chlorine	1,000	>30
B: Hydrogen sulphide	1,000	>60
B: Hydrogen cyanide	1,000	>35
E: Sulphur dioxide	1,000	>30
K: Ammonia	500	>75
Hg: Mercury vapour	13 mg/m ³	>104 hours

Particle filtration Paraffin oil: >99.997%

Temperature range

- Storage: -20°C to +40°C at <90% RH
- Use: -10°C to +55°C at <90% RH

Storage Store at room temperature in clean, dry place. If seal has been broken, store away from contaminants in an air-tight container. Shelf life is 5 years if seal is unbroken.

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