

FPM Cloth Filter



FPM Filter in the holder of VOPV-12 Air Sampler

Purpose

The FPM polymer cloth filters are intended for the efficient capture of potentially radioactive aerosol and dust samples in sampling and monitoring units, as well as for similar applications, i.e. air cleaning from aerosol and dust, etc.

Subsequently, the trapped aerosol and dust sample can be analysed and radionuclide content can be determined.

FPM filter is formed by hydrophobic polymer fibres in a non-woven steady layer, free of holes and cracks. The FPM filters are supplied in requested dimensions, ordinarily on a double-sided base made of gauze.

Specifications

Cloth Type *	FPM 1515	FPM 1530
Resistance to an air stream at the filtration rate of 1 cm/s, at most	17.5 Pa	35 Pa
Filtering efficiency of an oily fog with average particle diameters of 0.28 to 0.34 µm, at air velocity 1 cm/s	min. 99,9 %	min. 99,99%
Surface density of fibrous layer	25 ~ 35 g/cm ²	40 ~ 60 g/cm ²
Recommended operational temperature range	-30 ~ +70 °C (-22 ~ +158 °F), at relative humidity max. 80%	
* On request, filtration cloth of different specification can be supplied.		

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Models and Accessories

Dimensions supplied

- 270 x 220 mm (10½ x 8½ in), for VOPV-12
- Circle Ø 100 mm (4 in), for VOPV-10
- 1200 x 680 mm (47¼ x 27 in), for VOPV-7
- 240 x 220 mm (9½ x 8½ in), for BOA-80
- Circle Ø 55 mm, prior to iodine cartridge for VOPV-10 and VOPV-12
- Roll, max. 100 m (328 ft), width 700 mm (27½ in) (±20 mm (±¾ in))
- Sheets 1500 x 680 mm (59 x 26¾ in) (±20 mm (±¾ in))
- other customized dimensions on request

Related products

K0215	VOPV-12 Digital High-Volume Air Sampler
K0547	VOPV-10 Digital High-Volume Air Sampler
K0709	VOPV-7 High-Volume Air Sampler
K0025	BOA-80 Aerosol Balance Sampler

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