

MicraSorb

MicraSorb disposable filters are ideally suited for the removal of trace extraneous vapours present in gas analyser samples, for the removal of vapour contamination in laboratory applications and the clean up of instrument or actuator air supplies.



Filter Model	Adsorbent	Trace Gas Removal
MSB-AC	Activated carbon	Oil vapours, C5 and heavier hydrocarbons and organic vapours
MSB-MB	Mixed calcium and sodium hydroxides	Acidic gases
MSB-PP	Potassium permanganate impregnated alumina	SOX
MSB-SG	Silica gel	Water vapour
MSB-4A	Molecular sieve grade 4A	CO ₂ , H ₂ S, NH ₃
MSB-13X	Molecular sieve grade 13X	Water vapour C4 and lighter hydrocarbons and amines

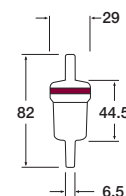
Ordering:

All MicraSorb disposable filters are individually heat sealed in polythene packaging and supplied in packs of 10.

Specification						
Model	MSB-AC	MSB-MB	MSB-PP	MSB-SG	MSB-4A	MSB-13X
Filter Material	Clear Nylon					
Adsorbent Material	Activated Carbon	Mixed Calcium and Sodium Hydroxides	Potassium Permanganate Impregnated Alumina	Silica Gel	Molecular Sieve grade 4A	Molecular Sieve grade 13X
Maximum Pressure	9 barg (130psig)					
Maximum Flow Rate	4.3 N ₂ /hr / 70 L/min / 2.5 SCFM					
Pressure Loss (clean and dry)	140 mbar (2 psi)					
Optimal Temperature Range	4°C to 40°C (40°F to 104°F)	1.5°C to 35°C (34°F to 95°F)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)
Internal Volume	11cm ³					

Technical Notes

- 1 Flow rates are based on a 2 barg (30 psig) operating pressure. Use the flow conversion chart below to calculate flow rates at other pressures.
- 2 The working life of a MicraSorb is dependent on the application, therefore change as required.
- 3 For higher temperature use please contact Micrafilter.



Dimensions mm

Flow Correction Chart		For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure												
Operating pressure	barg	0.2	0.5	0.75	1	2	3	4	5	6	7	8	9	
	psig	3	7.5	10	15	30	45	60	75	90	100	115	130	
Correction factor		0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8	