

MicraDif



MicraDif disposable filters are used to protect gas analysers and sensitive equipment from particulate contamination. These disposable filters can also be used in many other compressed air, vacuum and liquid applications. Each MicraDif is available in either clear nylon or polypropylene. MicraDif contains a permanently sealed MicraTube (size 1232) available in five grades of efficiency depending upon the application.

Filter Model	Efficiency, Air & Gas at 0.3 Micron	Flow Rate ¹			Efficiency, Liquid 98% at	Water Flow Rate L/hr at 100 mbar Pressure Drop	Nylon	Polypropylene
		Nm³/h	L/min	SCFM				
MDA-123-[]	99.9998%	0.9	14	0.5	0.3 micron	6		
MDB-123-[]	99.9998%	1.3	21	0.75	0.9 micron	14		
MDC-123-[]	99.99%	2.6	42	1.5	2 micron	28		
MDD-123-[]	99.5%	1.3	70	2.5	8 micron	55		
MDE-123-[]	95%	5.0	82	2.9	25 micron	65		

Ordering:

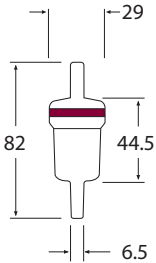
If Nylon filter is required include suffix [N].
If Polypropylene filter is required include suffix [P].
All MicraDif disposable filters are individually heat sealed in polythene packaging and supplied in packs of 10.

Specification		
Filter Material	Clear Nylon	Polypropylene
Maximum Pressure	9 barg (130 psig)	Atmospheric
Pressure Loss (Clean and Dry)	100 mbar (1.5 psi)	
Pressure Loss Replacement Indicator	400 mbar (6 psi)	
Temperature Range	-40°C to 60°C (-40°F to 140°F)	0°C to 65°C (32°F to 149°F)
Internal Volume	11cm³	

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
Operating Pressure - 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

Technical Notes

- 1 Flow rates shown are at 2 barg (30 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- 2 MicraTube filter cartridges use a fluorocarbon resin binder.
- 3 Recommended direction of flow is from inside to out through the filter cartridge.



Dimensions mm