

Micro Sep Disposable Vent Filter

Micro Separations filter is self-contained, compact, high flow, liquid rated, sterilizing-grade devices that meets the critical demands of the pharmaceuticals, biotechnology, and related industries. The product is designed and purpose build for small scale critical air and gas filtration applications.

Rugged polypropylene housings have broad chemical compatibility, hydrophobic membranes, including PTFE, PVDF, fiber glass laminated, provide high efficiency removal of airborne bacteria and particulate under dry or moist conditions.

Features & Benefits

- ♦ Ideal for small volume venting, solvent and gas filtration.
- ♦ Broad chemical compatibility.
- ♦ Economical; available in bulk packaging.
- ♦ 100% integrity tested during manufacture.
- ♦ Individual serialized for optimum traceability critical applications.



Specifications

Material of Construction	Filter Membrane	PTFE/ PVDF/ PP/ Fiberglass	
	Downstream Support	PP (Polypropylene)	
	Capsule Housing	PP	
	Sealing Method	Thermal Bonding	
	Filtration Ratings	0.2, 0.45, 0.8,1,3.5 µm	
Inlet and Outlet	Stepped Hose Barbs, ¼"-1/2" (6.4-12.7) mm		
Integrity Testing	Minimum Bubble Point (95 % Ethanol)	PTFE, 0.2 µm	1200 mbar
		PVDF, 0.2 µm	780 mbar
		PES, 0.2 µm	1200 mbar
Bacterial Retention	>10 7 cfu/ cm2 retention of brevundimonas diminuta per ASTM F838		
Sterilization	Autoclave: 121 Deg. C to 135 Deg. C. (5 to 30 psi), 1 o 2 bar, 30 min, >- 3 cycles. Gamma Irradiation: 25 to 40 kGy once. Do not autoclave irradiated capsules. Capsules must not be in-line steam sterilized		
Maximum Operating	Pressures	4.1 bar (410 kPa, 60 Psi) at ambient temperature.	
Effective Filtration Area	19.6 cm ²		

Ordering Information

	Code	Membrane	Code	Rating	Code	Housing	Code	Pre-Filter
MAVT	P	PP	010	0.1	P	PP	-	none
	E	PES	020	0.2	H	HDPE	P	PP
	F	PTFE	045	0.45			G	Fiberglass
	V	PVDF	080	0.8				
	G	Fiberglass	100	1.0				
			300	3.0				
			500	5.0				