Vent Filter Selection Guide

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The industry's broadest portfolio of vent filters makes it easy to match filter performance to application requirements. These self-contained, compact filter devices provide high efficiency removal of airborne bacteria and particulate under dry or moist conditions. Rugged polypropylene housings have broad chemical compatibility.

Product	Applications	Typical Air Flow Rate	Pore Size/ EFA
Acro® 37 TF Vent Devices with PTFE Membrane 	Small-volume venting and degassing.	3.58 L/min at 0.2 bar (20 kPa, 3 psi)	0.2 µm/ 7.5 cm^2
Bacterial Air Vents with Glass Laminate 	For venting and air/gas delivery. Exhibits higher temperature and pressure ratings, and higher air flow rates.	40 L/min at 0.4 bar (40 kPa, 5.5 psi)	1 µm (nominal)/ 7.5 cm^2
Acro® 50 Vent Devices with Emflon® II Membrane 	Ideal for use in air/gas and vent applications with proprietary, low pressure drop hydrophobic PVDF membrane.	27 L/min at 1 bar (100 kPa, 15 psi)	0.2 µm/ 20 cm^2
Acro® 50 Vent Devices with PTFE Membrane 	Venting bioreactors, fermentation tanks, and carboys; sterile gas purging of culture vessels.	L/min at 0.2 bar (20 kPa, 3 psi): 0.2 µm: 8 0.45 µm: 12 1 µm: 15	0.2, 0.45, 1 µm/ 19.6 cm^2
AcroPak™ 300 Capsule with PTFE Membrane	Bioreactor venting requiring high air flow rates. The industry standard for venting bioreactors and fermentors.	32 L/min at 0.07 bar (7	0.2 µm/ 300 cm^2

		kPa, 1 psi)	
HEPA Capsule 	Provides bacteria-free air for sterile applications.		1.2 µm (liquid filtration); 99.97% retention of 0.3 um DOP aerosol (following ASTM D 2986-95A)/ 860 cm^2
Vacushield® Vent Device 	Use between a pump and receiving vessel to protect valves and pump components from damage from aqueous solutions; also protects lab personnel from aerosolized contaminants.	8 L/min at 0.1 bar (10 kPa, 2 psi)	0.45 µm/ 19.6 cm^2