



## Venting filters



### Acro® 37 TF vent devices

Hydrophobic membrane PP reinforced PTFE; PP housing, autoclavable

Multipurpose filter for small volume venting and gas filtration, ideal for small bioreactors and fermenters.

### Bacterial air vents

Hydrophobic glass laminated (polyester/glass fibre/polyester) membrane: PP housing, autoclavable

Economical, disposable depth filter for venting applications or sterile gas delivery. Prevents the passage of aerosols, protecting equipment and staff.

Aerosol retention: 99,97% 0,3 µm (DOP) at 32 l/min/100 cm<sup>2</sup>

### Acro® 50 vent devices

Emflon® II (hydrophobic PVDF) membrane: PP housing, autoclavable

Ideal for venting of bioreactors, fermentation tanks and carboys or sterile gas purging of culture vessels. Ideal for attachment to disposable systems that need to undergo gamma irradiation.

514-4227: with vent, 514-4228 without vent, 100% integrity tested

Airflow rate (l/min)	3,58 (0,2 bar)	40 (0,4 bar)	27 (1 bar)
Inlet/outlet	stepped hose barbs 6,4 - 9,5 mm Ø	stepped hose barbs 6,4 - 12,7 mm Ø	
Max. temperature (°C)	100	121	60
Ø (mm)	37		50

Pore size (µm)	Filtration area (cm <sup>2</sup> )	Ø (mm)	Pk	Cat. No.
<b>Acro® 37 TF vent devices</b>				
0,2	7,5	37	24	514-4117
0,2	7,5	37	200	514-4118
<b>Bacterial air vents</b>				
1 *	7,5	37	10	514-4114
1	7,5	37	24	514-4107
<b>Acro® 50 vent devices</b>				
0,2	20	50	3	514-4227
0,2	20	50	100	514-4228

\* sterile

## Venting filters, Vacushield™



### Hydrophobic PTFE membrane, PP housing

Protects valves and pump components from damage due to liquids. Protects laboratory personnel from potential biohazards, airborne and aerosol contaminants.

Aerosol retention: 99,97% of 0,3 µm DOP particles at 32 l/min/100 cm<sup>2</sup>

Airflow rate (l/min)	8 (0,2 bar)
Inlet/outlet	for tubing Ø 6,4 - 12,7
Max. pressure (bar)	1
Max. temperature (°C)	130
Ø (mm)	50

Pore size (µm)	Filtration area (cm <sup>2</sup> )	Ø (mm)	Pk	Cat. No.
0,45	19,6	50	3	514-4115