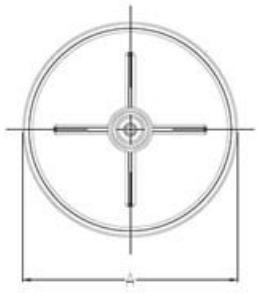
VWR® Gas Venting Filters

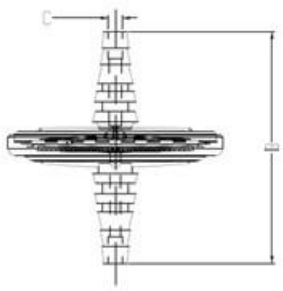
VWR® Gas Venting Filters are designed for obstructing bacterial, particles or moisture when venting in different applications. Sterile venting of bioreactors, fermentation tanks, media flasks, and carboys. Sterile gas purge of cell culture vessels or filling vessels. In-line sterilization of and particulate removal from air and gases. Obstruct moisture to protect equipment.

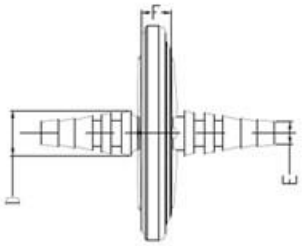
The filters are basically incorporating a hydrophobic PTFE membrane in a polypropylene housing, provide excellent thermal and chemical compatibility.

- Manufacturing process certified to ISO 9001
- Sterile blister packed filters are Ideal for sterile filtration.
- Biosafe according to Class VI plastics tests
- Optimized hydrophobic PTFE membrane provides superior flow rates in a compact device.
- PTFE membrane and polypropylene housing offers broad chemical compatibility.
- Integrity tested with bubble point testing or water breakthrough testing.
- Robust design and ultrasonic welded construction allow for multiple autoclave cycles. Max. Temperature 121°C ,15min; Max. Autoclaving 10 Cycles.
- Maximum operation pressure: 3.5 bar (350kPa, 50.7psi) at ambient temperature
- Maximum operation Temp: 121℃(250℉) at 1.0 bar(100kPa,15psi)
- Step horse barb connection suits tube with ID Φ7-13mm
- Non-Pyrogenic: The acceptance level for product is less than 0.25 EU/ml. (LAL Gel Clot Method).

VWR® Gas Venting Filters







Detailed List		
Item NO	Item	Size(mm)
A	OD of Filter	64.5±0.5
B	Height of Filter	70.0±0.5
C	ID Inlet/Outlet	4.2±0.3
D	Max.OD Inlet/Outlet	13.5±0.3
E	Min.OD Inlet/Outlet	7.0±0.3
F	Thickness of Filter	9.1±0.5

VWR MEL Number	Pore Size (μm)	Effective Filtration Area (sq cm)	Sterile (SAL：10^{-6})	Min. bubble point, Mpa	Air flow rate（l/min @3psi）	Liquid flow rate(ml/min@15psi)	Water Breakthroug(s,@ 30psi)	Individural pack	Qty/Pk	pcs/Case
VWRI 210-000121	0.22	19.6	N/A	0.1	5	220	N/A	N	60	180
VWRI 210-000122	0.22	19.6	N/A	0.1	5	220	N/A	Y	20	200
VWRI 210-000123	0.22	19.6	N/A	0.1	5	220	15	Y	20	200
VWRI 210-000126	0.22	19.6	EO	0.1	5	220	N/A	Y	20	200
VWRI 210-000127	0.22	19.6	EO	0.1	5	220	15	Y	20	200
VWRI 210-000124	0.45	19.6	N/A	0.05	8	480	N/A	Y	20	200
VWRI 210-000128	0.45	19.6	EO	0.05	8	480	N/A	Y	20	200
VWRI 210-000125	1.0	19.6	N/A	0.03	15	980	N/A	Y	20	200
VWRI 210-000129	1.0	19.6	EO	0.03	15	980	N/A	Y	20	200

* Rataine 10^7 *Brevundimonus diminuta* per square centimeter according to modified ASTM F838-83

* N/A=Not Applicable

* EO = Ethylene Oxide

* Bubble point was tested by ethyl alcohol