

VWR® Gas Venting Filters

avantor™
delivered by **VWR™**



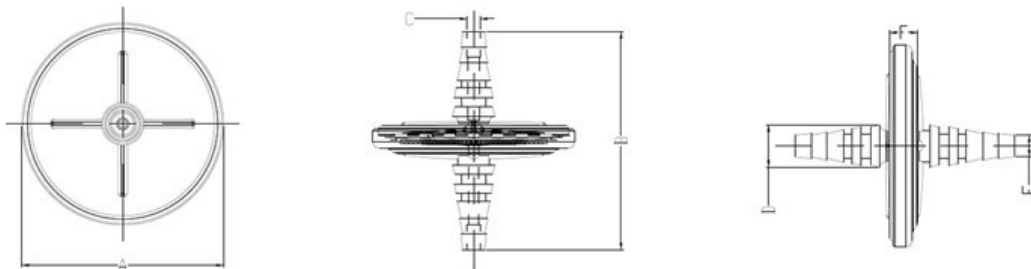
VWR® Gas Venting Filters are designed for obstructing bacterial, particles or moisture when venting in different applications. Sterile venting of bioreactors, fermentation tanks, media flasks, and carboys. Sterile gas purge of cell culture vessels or filling vessels. In-line sterilization of and particulate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



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equipment.

- Manufacturing process certified to ISO 9001
- Optimized hydrophobic PTFE membrane provides superior air and liquids flow rates.
- The special designed housing is lightweight only 22g to avoid the weighing down or kinking the tubing.
- Sterile individual packed filters are ready to use.
- Biosafe according to Class VI plastics tests.
- This filter is available in 0.2, 0.45, 1.0 μm
- 0.2 μm filters are with high bacterial retention (LRV>7), and integrity tested with bubble point testing or water breakthrough testing.
- PTFE membrane and polypropylene housing offer broad chemical compatibility.
- Robust design and ultrasonic welded construction allow for multiple autoclave cycles. Max. Temperature 121°C ,15min; Max. Autoclaving 10 Cycles.
- Maximum operation pressure: 4.1bar (410kPa, 60psi) at ambient temperature.
- Maximum operation Temp: 121 °C(250°F) at 1.0 bar(100kPa,15psi)
- Step horse barb connection suits tube with ID Φ 7-13mm
- Non-Pyrogenic: The acceptance level for product is less than 0.25 EU/ml. (LAL Gel Clot Method).



| 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® Gas Venting Filters



| 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 (15s,@30psi) | Individual pack | Qty/Pk | pcs/CS |
|-----------------|----------------|-----------------------------------|----------------------------------|-------------------------|------------------------------|----------------------------------|--------------------------------|-----------------|--------|--------|
| VWRI 210-000121 | 0.22* | 19.6 | / | 0.1 | 8 | 250 | / | N | 60 | 180 |
| VWRI 210-000122 | 0.22* | 19.6 | / | 0.1 | 8 | 250 | / | Y | 20 | 200 |
| VWRI 210-000123 | 0.22* | 19.6 | / | 0.1 | 8 | 250 | 15S | Y | 20 | 200 |
| VWRI 210-000126 | 0.22* | 19.6 | EO* | 0.1 | 8 | 250 | / | Y | 20 | 200 |
| VWRI 210-000127 | 0.22* | 19.6 | EO* | 0.1 | 8 | 250 | 15S | Y | 20 | 200 |
| VWRI 210-000124 | 0.45 | 19.6 | / | 0.05 | 10 | 480 | / | Y | 20 | 200 |
| VWRI 210-000128 | 0.45 | 19.6 | EO* | 0.05 | 10 | 480 | / | Y | 20 | 200 |
| VWRI 210-000125 | 1.0 | 19.6 | / | 0.03 | 15 | 780 | / | Y | 20 | 200 |
| VWRI 210-000129 | 1.0 | 19.6 | EO* | 0.03 | 15 | 780 | / | Y | 20 | 200 |

* Retaine 10⁷ *Brevundimonus diminuta* per square centimeter according to modified ASTM F838-83

* EO = Ethylene Oxide

* Bubble point and Liquid flow rate was tested by ethyl alcohol