BRVM - Brevi-Cap Vent-MAXX

Single-Use Sterilizing-Grade Double-Layer PTFE Air and Gas Capsules

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Critical air and gas filtration:** Double-layer PTFE membrane, 0.2 µm for sterilizing filtration.
- **Liquid and aerosol challenge validation:** Brevundimonas diminuta retention at 10^7 CFU/cm^2 in both challenge types.
- **Process versatility:** Designed for bioreactor inlet air, bioreactor exhaust gas, sterile holding tanks, and sterile blanketing.
- **Unit-level quality assurance:** 100% of filter units are DI flushed and integrity tested, with a Certificate of Quality.
- **Compact, autoclavable format:** Two capsule sizes with sanitary and hose-barb connection options.



PRODUCT DESCRIPTION

The Strainrite Brevi-Cap Vent-MAXX capsule provides glass microfiber depth The Strainrite Brevi-Cap Vent-MAXX capsule is designed for critical sterilizing filtration of air and gases. BRVM combines two layers of 0.2 µm PTFE membrane with polypropylene support layers and filter hardware in a compact, single-use capsule.

Applications include bioreactor sterile inlet air, bioreactor exhaust gas, sterile holding tanks, and sterile blanketing. Common gases include air, nitrogen, and carbon dioxide. The membrane's stated validation includes Brevundimonas diminuta retention at 10^7 CFU/cm^2 in both liquid and aerosol challenges, distinguishing Vent-MAXX from the aerosol-only validation stated for Vent-Rite.

Every filter unit is DI flushed and integrity tested, and a Certificate of Quality supports product documentation. Two capsule sizes and a selection of sanitary and hose-barb connections provide options for integration into air and gas systems. BRVM capsules are autoclavable.

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DESIGNED FOR
Critical sterilizing air and gas filtration for: bioreactor sterile inlet air, bio-reactor exhaust gas, sterile holding tanks, sterile blanketing. Common gasses sterile-filtered are air, nitrogen, and CO2.

FILTER MEDIA
0.2 µm PTFE membrane

PLEAT SUPPORT MATERIAL
Polypropylene

TOXICITY
USP Class VI; FDA 21 CFR; REACH; RoHS; BSE/TSE

FILTER HARDWARE
Polypropylene

MICRON RATING
0.2 µm

PRODUCTION PROCESS
Thermal Bond

VALIDATION
Brevundimonas diminuta retention: 10^7CFU /cm² in liquid and aerosol challenges

QUALITY
100% of filter units DI flushed
100% of filter units integrity tested
Certificate of Quality

STERILIZATION
Autoclavable, Gamma Irradiatable

CAPSULE LENGTHS
A Hosebarb inlet/outlet: 6.0 in (152 mm)
Sanitary flange inlet/outlet: 5.0 in (127 mm)
B Hosebarb inlet/outlet: 7.7 in (196 mm)
Sanitary flange inlet/outlet: 6.6 in (168 mm)
C Hosebarb inlet/outlet: in (mm)
Sanitary flange inlet/outlet: in (mm)

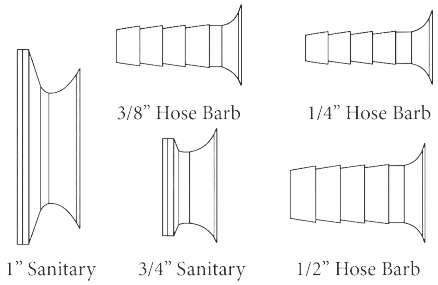
SURFACE AREA
A = 1.28 ft² (1,189 cm²)
B = 2.32 ft² (2,155 cm²)
C = 2.45 ft² (2,276.12 cm²)

PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch

SPECIFICATIONS

PERFORMANCE CHARACHTERISTICS- INTEGRITY TEST

Size	Wetting Fluid	Diffusive Flow Integrity Test	
		Test Pressure (psig)	Air Flow Limit (ml/min)
A	IPA	14	4.4
B	IPA	14	8.0
C	IPA	14	10



ORDER OPTIONS

CARTRIDGE	LENGTHS	INLET OPTIONS	OUTLET OPTIONS	STYLE	GRADE	SEAL
BCP Brevi-Cap Capsule	**A** See Above **B** See Above **C** See Above	**D1** = 1", 1.5"Sanitary **D3** = 0.25" Hose Barb **D4** = 0.5" Hose Barb **D6** = 0.75", 0.5" sanitary **D7** = 0.375" hose barb **D9** = 0.25" MPT	**O1** = 1", 1.5"Sanitary **O3** = 0.25" Hose Barb **O4** = 0.5" Hose Barb **O6** = 0.75", 0.5" sanitary **O7** = 0.375" hose barb **O9** = 0.25" MPT	**BRVM**	**2**	**S** = Silicone **B** = Buna N **V** = Fluorocarbon **E** = EPDM

BCP → B (CAPSULE LENGTH) → D4 (INLET OPTIONS) → O4 (OUTLET OPTIONS) → BRVM (CARTRIDGE STYLE) → 1 (MICRON RATING) → 2 (GRADE) → S (SEAL)

BCPB-D4O4BRVM1-2S