BRVR - Brevi-Cap Vent-Rite

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

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Sterile air and gas filtration:** Single-layer, 0.2 µm PTFE membrane.
- **Defined operating application:** Intended where the probability of moisture or condensate is very low and absolute retention in liquids is not required.
- **Aerosol challenge validation:** Brevundimonas diminuta retention at 10^7 CFU/cm^2 in aerosol challenges.
- **Documented quality:** 100% of filter units are DI flushed and integrity tested, with a Certificate of Quality.
- **Autoclavable capsule:** Two sizes with polypropylene support layers and filter hardware.



PRODUCT DESCRIPTION

The Strainrite Brevi-Cap Vent-Rite capsule provides sterilizing air and gas filtration using a single layer of 0.2 µm PTFE membrane. BRVR is intended for sterile-air applications where the probability of moisture or condensate is very low and absolute retention in liquids is not required.

Designed for gases including air, nitrogen, and carbon dioxide, Vent-Rite has stated Brevundimonas diminuta retention of 10^7 CFU/cm^2 in aerosol challenges. This application scope distinguishes BRVR from double-layer Vent-MAXX, whose stated validation includes both liquid and aerosol challenges.

Polypropylene support layers and filter hardware are incorporated into the compact, single-use capsule. Every filter unit is DI flushed and integrity tested, with a Certificate of Quality. Two sizes and a choice of sanitary or hose-barb connections support system integration, and BRVR capsules are autoclavable.

v1 1026

DESIGNED FOR
Sterilizing air and gas filtration for: Sterile air where there is a very low probability of moisture or condensate, and absolute retention in liquids is not required. 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 /cm^2 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)

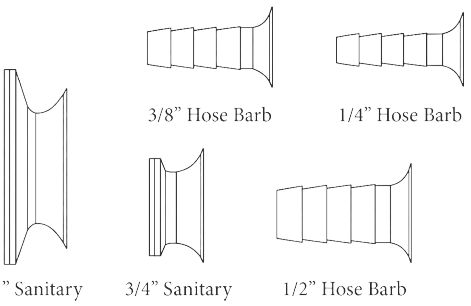
SURFACE AREA
A = 1.28 ft^2 (1,189 cm^2)
B = 2.32 ft^2 (2,155 cm^2)
C = 2.45 ft^2 (2,276.12 cm^2)

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	≤20
B	IPA	14	≤36
C	IPA	14	≤47



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	**BRVR**	**2**	**S** = Silicone **B** = Buna N **V** = Fluorocarbon **E** = EPDM

BCP → B (CAPSULE LENGTH) → D4 (INLET OPTIONS) → O4 (OUTLET OPTIONS) → BRVR (CARTRIDGE STYLE) → 2 (GRADE) → S (SEAL)

BCPBD4O4BRVR2S