BREDX - Brevi-Cap Endo-MAXX CN

Single-Use Charged Nylon Membrane Capsules for Endotoxin Reduction

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Endotoxin control:** Designed for high-purity water applications requiring a high degree of endotoxin control.
- **Charged membrane:** Positively charged nylon 6,6 on a polyester substrate.
- **Stated performance:** Typical endotoxin reduction in water of 2 log.
- **Rating options:** Available in 0.1 and 0.2 µm absolute ratings.
- **Documented quality:** 100% of filter units are DI flushed and integrity tested, with a Certificate of Quality; autoclavable and gamma irradiatable.



PRODUCT DESCRIPTION

The Strainrite Brevi-Cap Endo-MAXX CN capsule is designed for filtration of high-purity water where a high degree of endotoxin control is required. BREDX uses positively charged nylon 6,6 membrane on a polyester substrate, with a stated typical endotoxin reduction in water of 2 log.

Available in 0.1 and 0.2 µm absolute ratings, the membrane is supported by polypropylene layers and filter hardware. Every filter unit is DI flushed and integrity tested, and a Certificate of Quality supports product documentation. The 2-log value describes typical performance in water rather than a guaranteed result for every process.

Two capsule sizes, low fill and hold-up volumes, and sanitary or hose-barb connection options support use in compact single-use systems. BREDX capsules are autoclavable and gamma irradiatable. Consult Strainrite for gamma-irradiated ordering availability and for integrity-test specifications for the 0.1 µm configuration.

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DESIGNED FOR
Filtration of high purity water where a high degree of endotoxin control is required

FILTER MEDIA
Positive charge nylon 6,6 on polyester substrate

PLEAT SUPPORT MATERIAL
Polypropylene

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

FILTER HARDWARE
Polypropylene

ABSOLUTE MICRON RATING
0.1, 0.2 µm

PRODUCTION PROCESS
Thermal Bond

VALIDATION
Typical endotoxin reduction in water: 2 log

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)

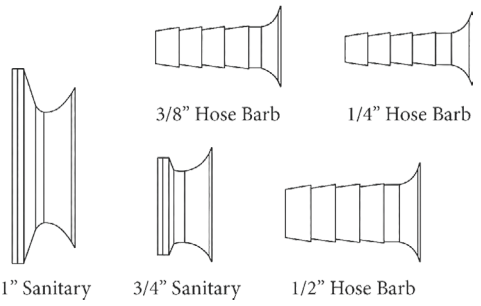
SURFACE AREA
A = 1.02 ft^2 (1,189 cm^2)
B = 1.86 ft^2 (2,155 cm^2)
C = 2.45 ft^2 (2276 cm^2)

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

	Micron Rating	0.1	0.2
	Wetting Fluid	Water	Water
A	Diffusive Flow Test Pressure	48 PSI	36 PSIG
	Air Diffusive Flow Limit	15 (ml/min)	≤15 (ml/min)
	Bubble Point	≥ 60 PSIG	≥ 46 PSIG
B	Diffusive Flow Test Pressure	48 PSI	36 PSIG
	Air Diffusive Flow Limit (ml/min)	28 (ml/min)	≤28 (ml/min)
	Bubble Point	≥ 60 PSIG	≥ 46 PSIG
C	Diffusive Flow Test Pressure		
	Air Diffusive Flow Limit (ml/min)		
	Bubble Point		



ORDER OPTIONS

CARTRIDGE	LENGTHS	INLET OPTIONS	OUTLET OPTIONS	STYLE	MICRON	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	**BREDX**	*0.1 µm* *0.2 µm*	**2**	**S** = Silicone **B** = Buna N **V** = Fluorocarbon **E** = EPDM

BCP → B (CAPSULE LENGTH) → D4 (INLET OPTIONS) → O4 (OUTLET OPTIONS) → BREDX (CARTRIDGE STYLE) → 0.2 (MICRON) – 2 (GRADE) → S (SEAL) → **BCPBD4O4BREDX0.2-2S**