BREVI-MAXX

CLARITY Compact Pleated Cartridges

- ► PHARMACEUTICAL
- ► NUTRACEUTICAL
- ► FOOD AND BEVERAGE
- ► ELECTRONICS
- ► CHEMICAL FEEDS
- ► FILLING LINES
- ► POINT OF USE (POU) WATER
- ► POINT OF USE (POU) AIR

ORDER GUIDE

BRE	0.1	–	A	C12	S	BRE0.1-AC12S
	MICRON RATING		CARTRIDGE LENGTH	ENDCAP CONFIGURATION	O-RING	

Strainrite's Brevi-MAXX series of pleated filter cartridges offer a compact-size cartridge filter for smaller applications. Nearly all of our standard cartridge filter media, including membranes (PES polyethersulfone membrane, charged nylon, PTFE membrane and more) and pre-filtration materials (including polypropylene and glass fiber) can be placed into this 2.25" diameter configuration. This is an ideal format for smaller batches, lower flow rates, and smaller footprint compared to other traditional cartridges.

The smaller size of the Brevi-MAXX helps to reduce hold up and increase yield of valuable products compared to larger sized filters. Pilot plant trials easily scale up from this size to other formats. Utility applications where "drops" are made to various points-of-use might use a Brevi-MAXX filter at each POU. This is also a nice compact size for OEM equipment. Depending on the specifics of the application, this size filter might typically be used for liquid flow rates <2 lpm, compressed air flow rates of <25 SCFM or for tank venting at flow rates of <10 CFM. These filters also retrofit many competitors' smaller housings.

Brevi-MAXX
compact pleated cartridge

MAXIMUM DIFFERENTIAL PRESSURE

Forward:
75 psid (5.1 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)

Reverse:
50 psid (3.4 bar) @ 75°F (24°C)

MAXIMUM OPERATING TEMPERATURE

180°F (82°C) Continuous Duty Polypropylene

TOXICITY

Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact

STERILIZATION

Cartridge can be sterilized via steam of Autoclave: 20 times at 275°F (135°C)
Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

PACKAGING ECONOMY

Bulk packaging in case quantities to reduce material disposal:
A (2 inch - 6 per carton) B (4 inch - 6 per carton) C (5 inch-6 per carton)

FILTER MEDIA	END CAPS/CAGE/CORE	PLEAT SUPPORT MATERIAL	END CAP INSERT
See Below	Polypropylene	Polypropylene	Polypropylene

SEALS	CONSTRUCTION METHOD
Buna N | Fluorocarbon | EPDM | Silicone	Thermal Bond

OUTSIDE DIAMETER	NOMINAL LENGTHS
2.25 inch (57 mm)	A = 2 inch (5.1 cm) B = 4 inch (10.2 cm) C = 5 inch (12.7 cm)

APPROXIMATE SURFACE AREA

2"(A) - BRE, BRS, BRN, BRCN, BRT = 1.28 sq. ft. (.119 sq. m)
2"(A) - BRE-SG (sterilizing grade) = 1.02 sq. ft. (.095 sq. m)
2"(A) - BRVM = 0.95 sq. ft. (.088 sq. m)
2"(A) - BRVR = 1.25 sq. ft. (.116 sq. m)
2"(A) - BRPA, BRPG = 1.05 sq. ft. (.098 sq. m)
2"(A) - BRGA, BRGG = 0.78 sq. ft. (.073 sq. m)

4"(B) - BRE, BRS, BRN, BRCN, BRT = 2.32 sq .f t. (.216 sq.m)
4"(B) - BRE-SG (sterilizing grade) = 1.86 sq .f t. (.173 sq.m)
4"(B) - BRVM = 1.6 sq. ft. (.148 sq.m)

4"(B) - BRVR = 2.23 sq. ft. (.207 sq.m)
4"(B) - BRPA, BRPG = 1.91 sq .f t. (.177 sq.m)
4"(B) - BRGA, BRGG = 1.42 sq .f t. (.132 sq.m)

5"(C) - BRE, BRS, BRN, BRCN, BRT = 2.45 sq. ft. (.227 sq. m)
5"(C) - BRE-SG (sterilizing grade) = 2.45 sq. ft. (.227 sq. m)
5"(C) - BRVM = 2.2 sq .ft. (.204 sq. m)
5"(C) - BRVR = 2.9 sq .ft. (.269 sq. m)
5"(C) - BRPA, BRPG = 2.38 sq. ft. (.221 sq. m)
5"(C) - BRGA, BRGG = 1.78 sq. ft. (.165 sq. m)

C13 (118 flat O-ring with locking tabs)

C12 (116 flat O-ring)

C28 (123 flat O-ring with locking tabs)

- ► CLEAN-ROOM MANUFACTURED TO GMP AND ISO9001 STANDARDS
- ► FDA GRADE FILTER MATERIALS COMPLIANT WITH CFR, TITLE 21
- ► PHARMACEUTICAL GRADE FILTER MATERIALS COMPATIBLE WITH USP CLASS VI
- ► WIDE RANGE OF FILTER MEDIA, FROM SUBMICRON MEMBRANE FILTERS TO MICRON RATED PRE-FILTRATION
- ► INTEGRITY TESTED, STERILIZING GRADE PES MEMBRANE FILTERS TO MICRON RATED PRE-FILTRATION
- ► CHARGED NYLON MEMBRANE ENDOTOXIN REDUCTION VERSION AVAILABLE
- ► PTFE MEMBRANE VENT-MAXX VERSION AVAILABLE
- ► REDUCED PRODUCT HOLDUP/HIGH YIELDS
- ► SCALEABLE FORMAT GREAT FOR PILOT SCALE
- ► THERMALLY BONDED CONSTRUCTION WITHOUT ADHESIVES RESULTS IN LOWERED EXTRACTABLES
- ► OPTIMIZED PLEATING MAXIMIZES FLOW AND LIFE PERFORMANCE
- ► RETROFITS COMPETITION FORMAT AND STYLE

FILTER MEDIA	MICRON RATING	CARTRIDGE GRADE			
		General	1 FDA Grade	2 Pharma	3 SG Sterilizing
Polyethersulfone Membrane (BRE)	0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2		X	X	X
Polysulfone Membrane (BRS)	0.05, 0.1, 0.2, 0.45, 0.65, 1.2	X	X		
6,6 Nylon Membrane (BRN)	0.1, 0.2, 0.45, 0.65, 0.8, 1.2	X	X	X	
Charged Nylon Membrane (BRCN)	0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	X	X	X	
PFTE Membrane (BRT)	0.1, 0.2	X		X	
Vent-MAXX Double-Layer PTFE Membrane (BRVM)	*Absolute rated retention 0.2µ			X	
Vent-Rite PTFE Membrane (BRVR)	*Absolute rated retention 0.2µ			X	
Absolute-Rated Polypropylene Depth (BRPA)	1, 1.5, 2.5, 5, 10, 15, 20, 40, 70	X	X	X	
Nominally Rated Polypropylene Depth (BRPG)	0.25, 0.5, 1, 2, 5, 8, 12, 20, 50	X	X	X	
Absolute-Rated Microglass Depth (BRGA)	0.8, 0.9, 1*†, 2, 3, 5*, 10, 15	X	X	X	
Nominally Rated Microglass Depth (BRGG)	0.2*, 0.45, 0.65, 1*, 5, 10	X	X	X	

* Available in FDA grade
† Available in pharmaceutical grade.

ORDER OPTIONS

C ARTRIDGE

BRE	Brevi-MAXX E
BRS	Brevi-MAXX S
BRN	Brevi-MAXX N
BRCN	Brevi-MAXX CN
BRT	Brevi-MAXX T
BRVM	Brevi-MAXX VM
BRVR	Brevi-MAXX VR
BRPA	Brevi-MAXX PA
BRPG	Brevi-MAXX PG
BRGA	Brevi-MAXX GA
BRGG	Brevi-MAXX GG

MICRONRATING

SEE CHART

CARTRIDGE LENGTH

A	2"
B	4"
C	5"

ENDCAP CONFIGURATIONS

C12	116 Flat O-Ring
C13	118 Flat O-Ring with 4 locking tabs
C28	026 Flat O-Ring with 4 locking tabs
CSC	Seal Clean

GASKET / O-RING MATERIAL

S	Silicone
B	Buna N
V	Flourocarbon
E	EPDM

CARTRIDGE GRADE

SEE CHART FOR AVAILABLE GRADES

-	General
1	FDA
2	Pharmaceutical
SG	Sterilizing Gade (BRE-only)

CARTRIDGE OPTIONS

GI	Gamma Irradiation (BRE-SG only)