

# 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

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.

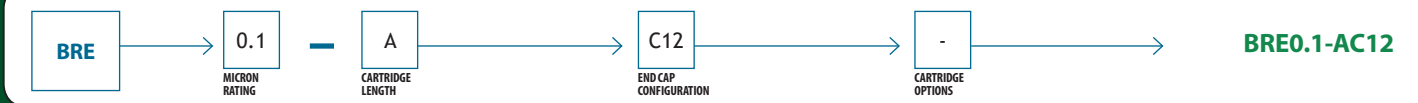


Brevi-MAXX compact pleated cartridge



- ▶ 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 VERSION AVAILABLE
- ▶ 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 COMPETITOR FORMAT AND STYLE

## ORDER GUIDE



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		275°F (135°C) Continuous Duty Polyester	
TOXICITY			
Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact			
STERILIZATION			
Cartridge can be sterilized via steam or 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: 2 inch - 6 per carton   4 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)
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, BRVR = 1.28 sq.ft. (.199 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.ft. (.216 sq.m) 4" (B) - BRE-SG (sterilizing grade) = 1.86 sq.ft. (.173 sq.m) 4" (B) - BRVM, BRVR = 2.32 sq.ft. (.216 sq.m) 4" (B) - BRPA, BRPG = 1.91 sq.ft. (.177 sq.m) 4" (B) - BRGA, BRGG = 1.42 sq.ft. (.132 sq.m)	

## ORDER OPTIONS

CARTRIDGE	
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
MICRON RATING	
SEE CHART	
CARTRIDGE LENGTH	
A	2"
B	4"
END CAP CONFIGURATIONS	
C12	116 Flat O-ring
C13	118 Flat O-ring with 4 locking tabs
C28	026 Flat O-ring with 8 locking tabs
CSC	Seal clean
END CAP CONFIGURATIONS	
S	Silicone
B	Buna N
V	Fluorocarbon
E	EPDM
CARTRIDGE GRADE	
SEE CHART FOR AVAILABLE GRADES	
-	General
1	FDA
2	Pharmaceutical
SG	Sterilizing Grade (BRE-only)
CARTRIDGE OPTIONS	
GI	Gamma Irradiation (BRE-SG only)

FILTER MEDIA	MICRON RATING	CARTRIDGE GRADE			
		General	1 FDA Grade	2 Pharma.	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	
PTFE 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.