

Bevigard™ -L Cartridge Filters

- High Contaminant Holding Capacity and Adsorptive Properties for Economical Beverage Clarification and Prefiltration



Typical Applications

Bevigard-L cartridges are especially well-suited for the clarification and prefiltration of wine, cider, water and all other types of beverages.

These filters are ideal for the removal of particles and colloidal materials because of their high efficiency removal of deformable and non deformable particles.

Efficiency

Because of the borosilicate glass microfiber medium, these versatile depth type prefilter cartridges combine high dirt-holding capacity with excellent throughputs.

Cost Effective

Bevigard-L filters provide high contaminant-holding capacity and adsorptive removal properties, give a long service life and excellent protection of downstream membrane filters such as Vitipore.

Bevigard-L can be repeatedly hot water regenerated providing highly cost effective filtration.

Quality

Supplied with a Certificate of Quality which certifies that Bevigard-L filters meet Quality Assurance lot release criteria.

Manufactured in a facility whose Quality Management System is approved by an accredited registering body to the ISO 9000 Quality Systems Standard.

Specifications

Materials

Rigid polypropylene core, outer shell, end-caps and supports; borosilicate glass media; silicone O-rings.

Cartridge Size

25cm/10", 50 cm/20", 75 cm/30", 100 cm/40" lengths; outside diameter: 7.4 cm.

Filtration Area

0.46 m² per 25 cm/10" cartridge element.

Nominal Pore Size

CP15: 1.0 µm

CP20: 2.0 µm

Operating Conditions

Maximum Differential Pressure:
3.5 bar at 25°C.

Maximum Operating Temperature:
80°C.

Sterilisability:

Bevigard-L cartridges may be multiple steam-sterilised or hot water sanitised.

Certificate of Quality - Example

Bevigard-L filters are designed, developed and manufactured in accordance with a Quality Management System approved by an accredited registering body to an ISO 9000 Quality System Standard.

Each Bevigard-L cartridge is shipped with a Certificate of Quality for documentation accuracy.

This certificate reports all the tests made on these cartridges to insure the consistency and the quality of the product we deliver.

Bevigard-L™ Cartridge Filter

1.0 µm Nominal Rated
Catalogue Number: CP1573SB1
Lot Number:

Good Manufacturing Practices
This product was manufactured in a Millipore facility which meets or exceeds FDA Device Good Manufacturing Practice standards.

ISO 9000 Quality Standard
This product was manufactured in a Millipore facility whose Quality Management System is approved by an accredited registering body to the appropriate ISO 9000 Quality Systems Standard.

Component Materials Toxicity
Component materials were tested and met the criteria for the USP Class VI Biological Test for Plastics.

Indirect Food Additive
All component materials meet FDA Indirect Food Additive requirements cited in 21 CFR 177.182.

Quality Assurance Lot Release Criteria
This manufacturing lot was sampled, tested and released by Quality Assurance to the following specifications:

Structural Integrity
Samples were found to be integral as measured by an aerosol challenge test.

Flow Rate and Pressure Drop
Samples met a maximum pressure drop of 3.3 psid (228 mbar) at 30 gpm (114 L/min) per 30-inch cartridge with clean water at 23°C.

Quality Assurance Audit Criteria
This product was designed and manufactured to meet the following specifications. Performance is confirmed by testing on an audit basis:

Toxicity
This product is non-toxic per the current USP General (Mouse) Safety Test.

Gravimetric Extractables
The extractables level was equal to or less than 250 mg per 10-inch cartridge after 24 hours in ASTM Type 1 reagent-grade water at controlled-room temperature.

Multiple Sterilization Cycles
Integrity was maintained after 10 steam-in-place cycles of 30 minutes at 121°C.

SAMPLE



Nicholas Lambos
Vice President and General Manager,
BioProcess Division

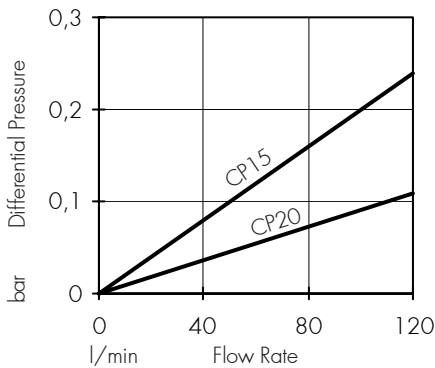


John P. Tuttle
Manager, Worldwide Quality Systems
and Certification, BioProcess Division

Certificate of Quality - Example

Water Flow Rate

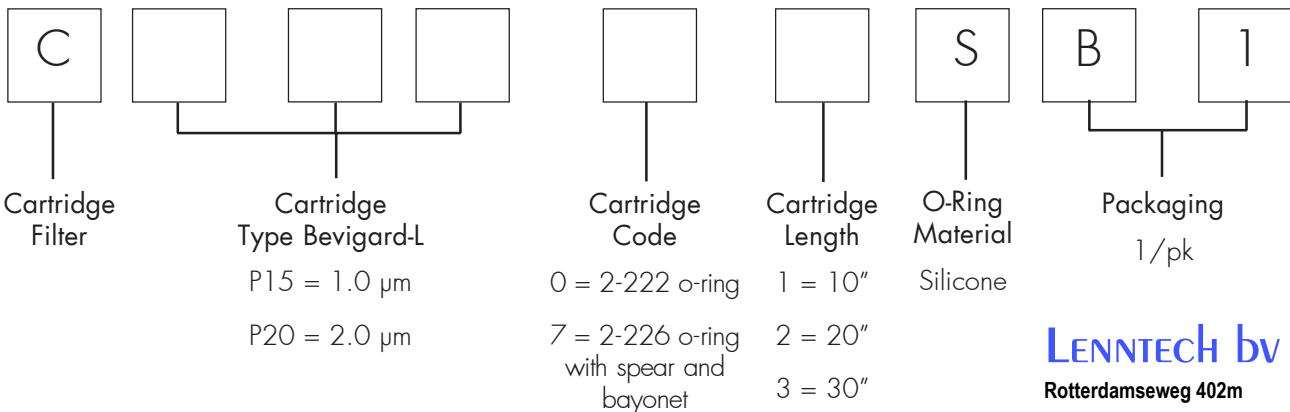
for a 75 cm/30" cartridge at 23 °C



Pore Size

Bevigard-L	Nominal Pore Size	Glass Microfiber Depth Medium	
		1 µm	2 µm
CP15	1.0 µm	X	
CP20	2.0 µm		X

Ordering Information



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MILLIPORE

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Bevigard-L-Cartridge-Filters

CP1501SB1

CP1502SB1

CP1503SB1

CP1504SB1

CP1571SB1

CP1572SB1

CP1573SB1

CP1574SB1

CP2001SB1

CP2002SB1

CP2003SB1

CP2004SB1

CP2071SB1

CP2072SB1

CP2073SB1

CP2074SB1