

ALpHA® G

MG-grade 50 mm Capsule Filter (CB2 Model)

Description

ALpHA® G is an absolute rated depth type filter that is optimized for use in single-use clarification applications. The ALpHA® G filter is the ideal choice for removing contaminants that foul downstream processing steps and result in reduced product recoveries. It delivers high throughput with absolute particulate retention and high dirt holding capacity under demanding conditions. ALpHA® G filters are compatible with gamma irradiation and can be provided sterile for immediate use.

Materials of Construction

All components of the encapsulated discs are animal component free. These materials are listed for food contact use in the Code of Federal Regulations (CFR), Title 21, as below:

Media	Polyester (PBT)	CFR Title 21, 177.1660
Downstream support	Polypropylene	CFR Title 21, 177.1520
Capsule housing	Polypropylene	CFR Title 21, 177.1520
Sealing method	Thermal Bonding	

Retention Ratings 0.6, 1.2, 2.4, 5, 7, 10, 20 µm

Effective Filtration Area 19.6 cm²

Operating Characteristics

Operating temperature range:	32 °F to 100 °F (0 °C to 38 °C)
Maximum temperature rating:	160 °F @ 35 psig (71 °C @ 2.4 bar)
Maximum operating pressure:	80 psig @ 100 °F (5.5 bar @ 38 °C)
Maximum reverse pressure:	15 psig @ 100 °F (1.0 bar @ 38 °C)

Sterilization

Autoclave: 121 °C to 135 °C (15 to 30 psi, 1 to 2 bar), 30 to 60 minutes, ≥ 3 cycles.

Gamma irradiation: 25 to 40 kGy once. Do not autoclave irradiated capsules.

Capsules must not be in-line steam sterilized.

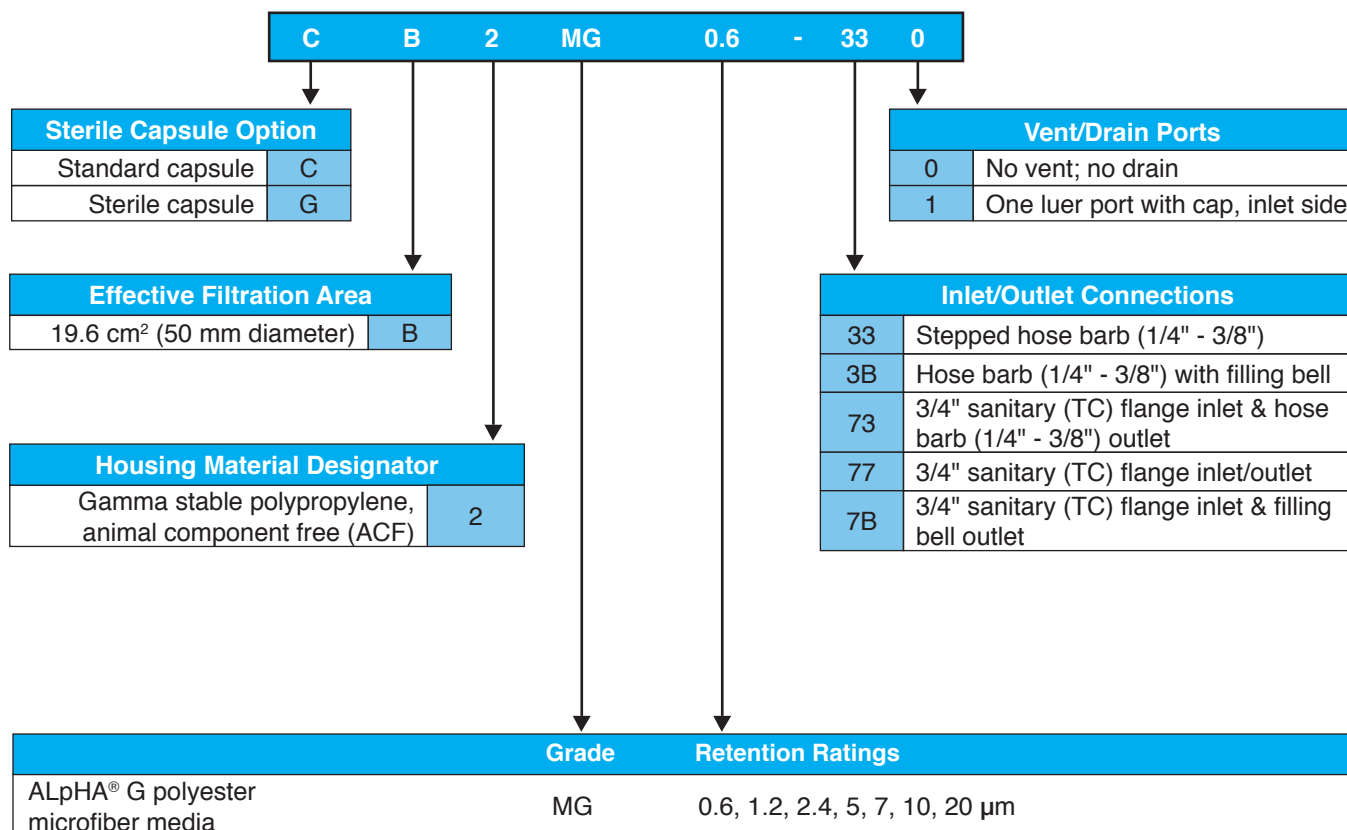
Biological Safety

ALpHA® G filters meet the requirements as specified in the current USP <88> Class VI plastics, physicochemical, oxidizable substances, and USP <87> cytotoxicity tests. No binders, adhesives or surfactants are used in the construction of ALpHA® G filters. The 50 mm capsules are TSE/BSE/animal component free (ACF).

Quality Assurance

ALpHA® G filters comply with the Food and Drug Administration Code of Federal Regulations, Title 21, Parts 210 and 211. Product is manufactured and packaged in a cleanroom facility that, through voluntary compliance, meets or exceeds FDA Good Manufacturing Practice Standards. To ensure product reliability, Meissner's Quality Assurance staff continually audits the manufacturing process for conformance to its Quality Management System. Each filter is clearly marked with filter type, lot number, and serial number.

Ordering Guide



Additional information about this filter product is available in the ALpHA® G Green Docs document at www.meissner.com/green-docs.

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