Steridyne®

0.2 µm VTF-grade 25 mm Syringe Filter (CA2 Model)

Description

This Steridyne® VTF0.2 syringe filter is a hydrophobic PVDF membrane filter optimized for critical air and gas applications. This sterilizing grade filter is virus retentive and ideal for pharmaceutical gases, bioreactor air and sterile venting. Encapsulated Steridyne® filters withstand gamma irradiation and are applicable for integration into single-use systems needing aeration or gas exhaust.

The filter is 100% integrity tested during manufacture and has the added benefit of quality certification that meets the critical demands of the pharmaceutical, biotechnology and related industries.

Materials of Construction

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

Membrane:	Polyvinylidene fluoride (PVDF)	CFR Title 21, 177.2510
Downstream support:	Polypropylene	CFR Title 21, 177.1520
Capsule housing:	Polypropylene	CFR Title 21, 177.1520
Sealing method:	Thermal bonding	

Pore Size	0.2 µm
Effective Filtration Area	3.6 cm^2
Bacterial Retention	>10^7 cfu/cm^2 retention of *Brevundimonas diminuta* per ASTM F838
Minimum Bubble Point	18 psi (1.24 bar), 60% IPA/40% water 17 psi (1.17 bar), 70% IPA/30% water

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 ºF (5.5 bar @ 38 ºC)
Maximum reverse pressure:	15 psig @ 100 ºF (1.0 bar @ 38 ºC)

Sterilization

Autoclave: 121 °C to 135 °C (15 to 30 psi, 1 to 2 bar), 30 to 60 minutes, ≥ 3 cycles.
Irradiation: 25 to 40 kGy once. Do not autoclave irradiated capsules.
Capsules must not be in-line steam sterilized.

Biological Safety

Steridyne® filters meet the requirements as specified in the current USP <88> Class VI plastics, <87> cytotoxicity, physicochemical, and USP 43 oxidizable substances tests. No binders, adhesives, or surfactants are used in its construction. Filters comply with European Commission Regulation No. 10/2011.

Quality Assurance

Steridyne® VTF0.2 filters are supplied with a Certificate of Quality verifying the high standards and superior performance of the product. Steridyne® 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 Steridyne® filter is integrity tested during manufacture and is clearly marked with filter type, lot number, and serial number.

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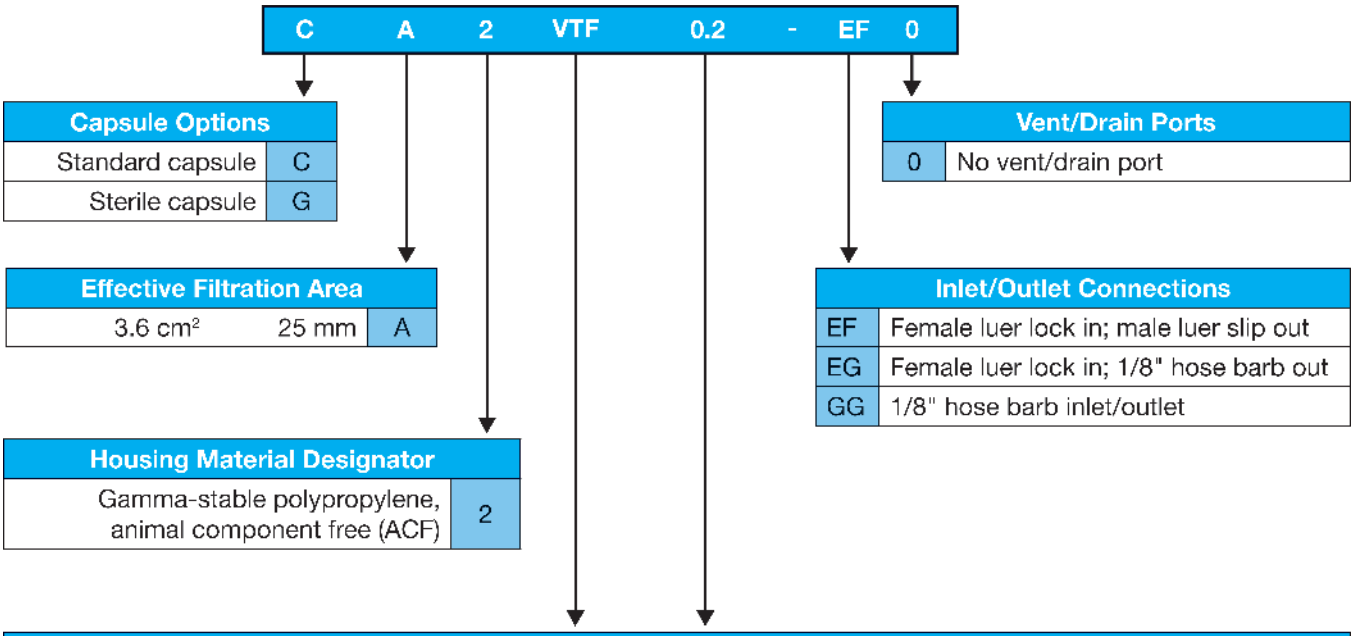
Ordering Guide



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

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