

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

Description

The Ultradyme® TT0.2 is a hydrophobic PTFE membrane filter offering maximum chemical compatibility with minimum extractables in a wide range of fluids and applications. This sterilizing grade filter provides reliable removal of particles and microorganisms from aggressive liquids, including strong acids and bases, and organic solvents. Ultradyme® TT0.2 is optimized for applications requiring complete removal of contaminant bacteria and viruses from air and gas streams.

The Ultradyme® TT0.2 25 mm syringe 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 encapsulated discs 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:	Polytetrafluoroethylene (PTFE)	CFR Title 21, 177.1550
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 cm²

Bacterial Retention >10⁷ cfu/cm² retention of *Brevundimonas diminuta* per ASTM F838

Minimum Bubble Point 16 psi (1.10 bar), 70% IPA/30% water

Operating Characteristics

Operating temperature range:	32 °F to 100 °F (0 °C to 38 °C)
Maximum operating pressure:	80 psig @ 100 °F (5.5 bar @ 38 °C)

Sterilization

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

Capsules must not be in-line steam sterilized. Irradiation is not recommended.

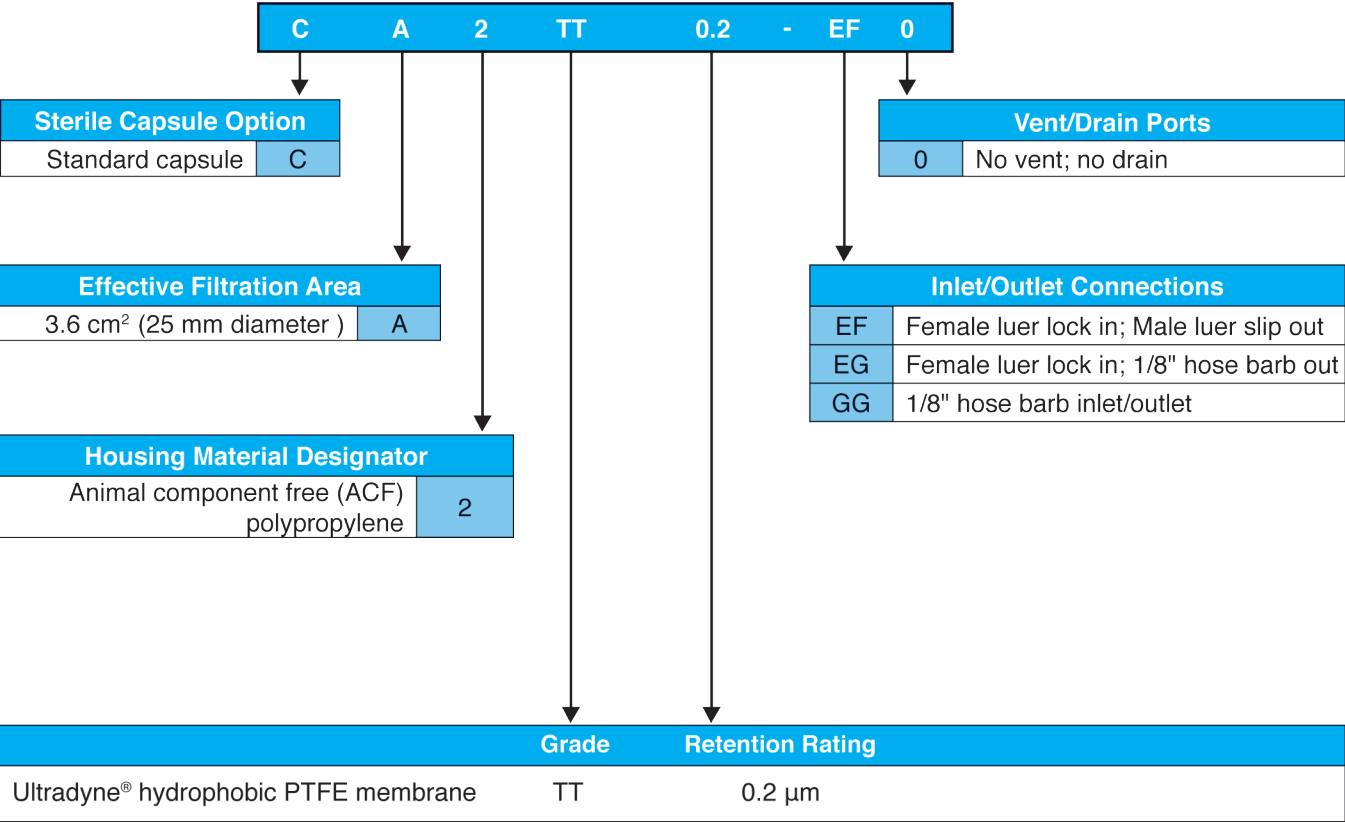
Biological Safety

Ultradyme® filters meet the requirements as specified in the current USP <88> Class VI plastics, USP <87> cytotoxicity tests, and pyrogenicity tests. No adhesives, binders or surfactants are used in the construction of the filters. Filters comply with European Commission Regulation No 10/2011. The capsules are TSE/BSE/animal component free (ACF).

Quality Assurance

Ultradyme® TT0.2 filters are supplied with a Certificate of Quality verifying the high standards and superior performance of the product. 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 Ultradyme® filter is clearly marked with filter type, lot number and serial number.

Ordering Guide



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

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