STyLUX®

0.2 µm SL-grade Standard Capsule Filter (CS/CL Model)

Description

STyLUX® is a hydrophilic PES membrane filter compatible with a wide range of liquids. It withstands a wide pH range (1-14) and is suited for removal of microorganisms and particulates in high-purity liquids and aqueous chemicals. The filter's asymmetric membrane provides absolute retention but also superior flow rates and contaminant capacity. The STyLUX® filter delivers reliable and consistent high-quality performance and is ideal for prefiltration or final filtration when sterility assurance is not required.

Materials of Construction

All components of the STyLUX® filter capsule are either animal component free or in compliance with EMEA/410/01 Rev. 3 (EDQM 5.2.8 07/2011:50208), and US Code of Federal Regulations 9 CFR 94.18 and 21 CFR 189.5. These materials are listed for food contact use in the Code of Federal Regulations (CFR), Title 21, as below:

Membrane:	Polyethersulfone	CFR Title 21, 177.2440
Upstream support:	Polypropylene	CFR Title 21, 177.1520
Downstream support:	Polypropylene	CFR Title 21, 177.1520
Outer guard:	Polypropylene	CFR Title 21, 177.1520
Core:	Polypropylene	CFR Title 21, 177.1520
End caps:	Polypropylene	CFR Title 21, 177.1520
Capsule housing:	Polypropylene	CFR Title 21, 177.1520
Sealing method:	Thermal bonding	

Pore Size 0.2 µm

Operating Characteristics

Operating temperature range:	32 ºF to 100 ºF (0 °C to 38 °C)
Maximum temperature rating:	160 ºF @ 35 psig (72 °C @ 2.4 bar)
Maximum operating pressure:	75 psig @ 100 ºF (5.2 bar @ 38 ºC), liquid service
Maximum operating pressure:	50 psig @ 100 ºF (3.4 bar @ 38 ºC), gas service
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

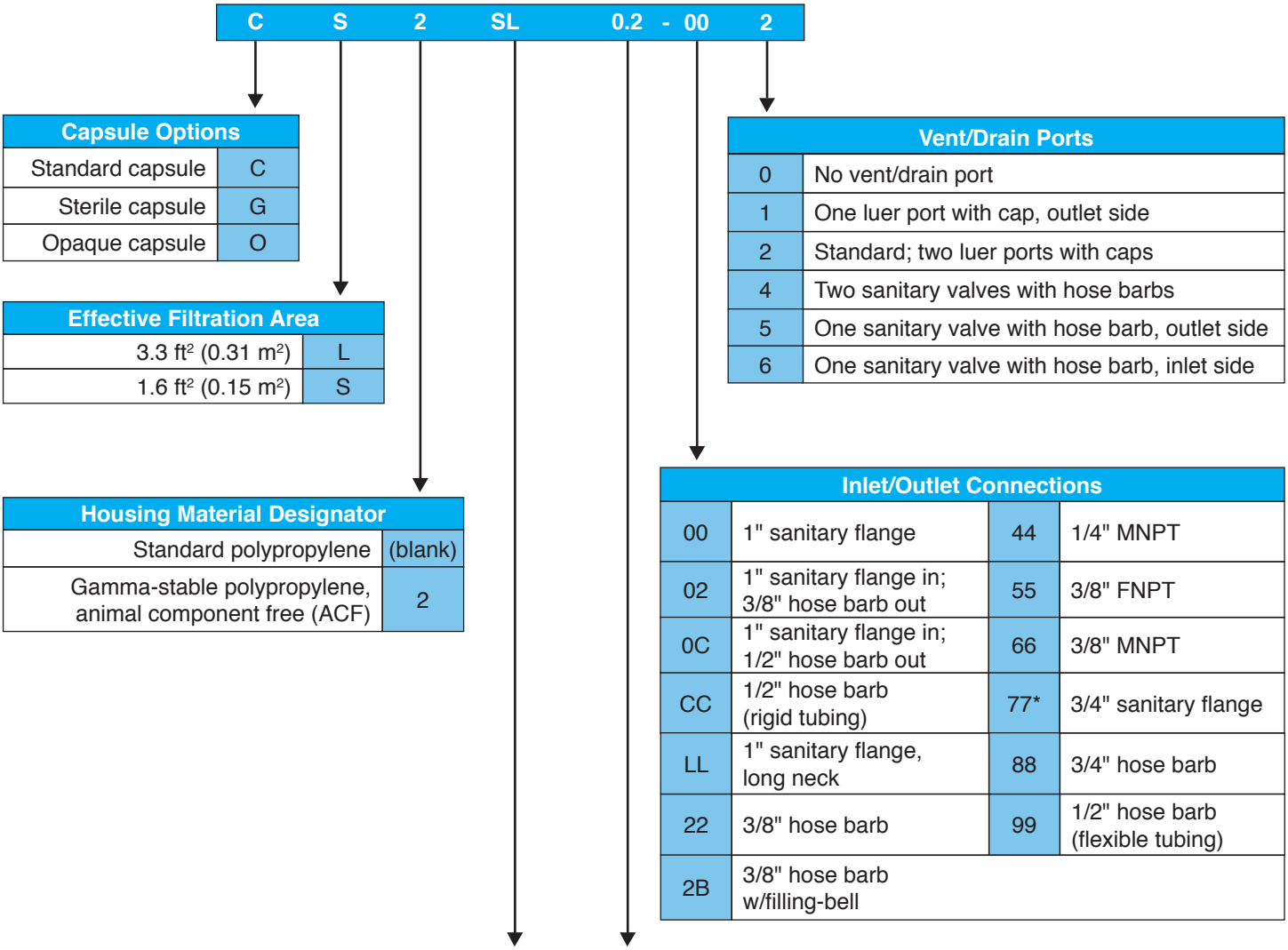
STyLUX® filters meet the requirements as specified in the current USP <88> Class VI plastics, physicochemical, oxidizable substances, and USP <87> cytotoxicity tests. Bacterial endotoxin levels in aqueous extracts of STyLUX® filters are less than 0.5 EU/mL, as determined using the *Limulus* amebocyte lysate (LAL) test USP <85>. No binders, adhesives or surfactants are used in the construction of STyLUX® filters. Filters comply with European Commission Regulation No 10/2011.

Quality Assurance

STyLUX® 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 STyLUX® filter is clearly marked with filter type, lot number and serial number.

MEISSNER FILTRATION PRODUCTS

Ordering Guide



Capsule Options	
Standard capsule	C
Sterile capsule	G
Opaque capsule	O

Effective Filtration Area	
3.3 ft² (0.31 m²)	L
1.6 ft² (0.15 m²)	S

Housing Material Designator	
Standard polypropylene	(blank)
Gamma-stable polypropylene, animal component free (ACF)	2

Vent/Drain Ports	
0	No vent/drain port
1	One luer port with cap, outlet side
2	Standard; two luer ports with caps
4	Two sanitary valves with hose barbs
5	One sanitary valve with hose barb, outlet side
6	One sanitary valve with hose barb, inlet side

Inlet/Outlet Connections			
00	1" sanitary flange	44	1/4" MNPT
02	1" sanitary flange in; 3/8" hose barb out	55	3/8" FNPT
0C	1" sanitary flange in; 1/2" hose barb out	66	3/8" MNPT
CC	1/2" hose barb (rigid tubing)	77*	3/4" sanitary flange
LL	1" sanitary flange, long neck	88	3/4" hose barb
22	3/8" hose barb	99	1/2" hose barb (flexible tubing)
2B	3/8" hose barb w/filling-bell		

Product	Grade	Retention Rating
STyLUX® hydrophilic PES membrane	SL	0.2 µm

**3/4 sanitary flange fitting option is only available for CS2 and CL2 Capsules.*

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

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