

Gamma irradiatable

For small to medium scale filtration in biopharm

Cobetter GM series capsule filters perfectly combine disposable technology and membrane together, features safety and convenience. Filtration area ranges from 200cm² to 800cm², which are especially designed for small to medium scale filtration.

Applications

- Cell culture media
- Buffers
- Protein solutions
- Serum
- Other biopharmaceutical solutions

Quality and Biological Safety

- 100% integrity tested
- Manufactured under a quality management system certified to ISO9001:2008
- Meets USP Biological reactivity test, in vivo, for class VI-121°C plastics
- Meets the criteria for a "non-fiber releasing" filter as defined in 21CFR 210.3 (b) (6).



Specifications

GM200 --GM800 capsule filters

Spec / Cat. No.	GM200	GM400	GM800
Max. Length with different connections	-94mm(3.7in.)	-131mm(5.2in.)	-179mm(7.0in.)
-3/4" sanitary flange inlet and outlet	-111mm(4.3in.)		
-1/4"-1/2" hose barb inlet and outlet	-102.5mm(4.1in.)	-122.0mm(4.8in.)	-170.0mm(6.7in.)
-3/4" sanitary flange inlet and 1/4-1/2" hose barb	-102.0mm(4.0in.)	-126.5mm(5.0in.)	-174.5mm(6.9in.)
-1.5" sanitary flange inlet and outlet	-106.5mm(4.2in.)		
-1.5" sanitary flange inlet and 1/4-1/2 hose barb			
Diameter	63.6mm(2.5in.)		
Filtration Area	0.02m ²	0.04m ²	0.08m ²
Materials of Construction	PES/Hydrophilic PVDF/Hydrophobic PVDF		
-Filter Media	Polypropylene		
-Film Edge	Polypropylene		
-Supports	Polypropylene		
-Core/Cage/End Caps/Housing	Silicone		
-Vent O-rings			
Vent/Drain	1/4" hose barb with double O-ring seal		
Operation Conditions	Forward: 5.5bar(80psi) at 25°C, 1.0bar(15psi) at 80°C		
Max. Differential Pressure			
Extractables	Meets or exceeds the Quality standards set for "Sterile Water for Injection" by the current USP.		
Bacterial Retention	Quantitative retention of 10 ⁷ CFU/cm ² Brevundimonas diminuta ATCC®19146 per ASTM methodology		
Bacterial Endotoxins	Aqueous extraction contains <0.25 EU/mL as determined by the Limulus Amebocyte Lysate (LAL) Test.		
Sterilization	Can be sterilized by Gamma Irradiation at 25-45 kGy. or Can be autoclaved for 3 cycles of 60 min at 126 °C. (Cannot be steam sterilized in-line) Sterile capsules :Gamma irradiated at 25-45 kGy in sterile package and can not be re-sterilized.		