Datasheet

Membrane Technologies

ClariCap GS

Hydrophilic PES Membrane Inline Capsule Filters

mdi ClariCap GS are lab scale capsule filters are ready to use, disposable filtration devices. These are specially designed filters incorporating a microglassfiber and a downstream Polypropylene membrane final layer and are used as pre-filters in biopharmaceuticals process development for difficult to filter solutions.

The microglassfiber layer offers high dirt holding capacity and efficient retention of colloidal particles to give clear downstream in case of difficult to filter turbid solutions. The downstream Polypropylene layer prevents fiber release into the downstream.

The 50 mm devices incorporate a vent to ensure easy removal of entrapped air in the upstream tubing.

Quality Assurance

These filter devices are manufactured in class 10,000 clean rooms under ISO 9001 certified quality management systems and are deeply validated to meet compendia and regulatory requirements.



Applications

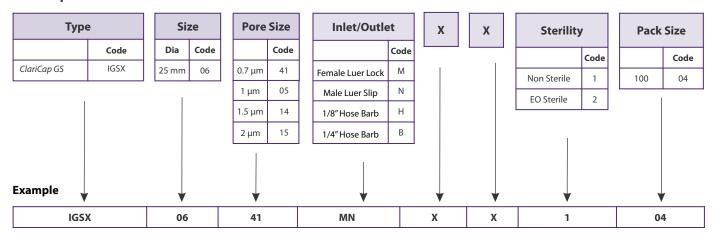
- Precipitate removal post viral inactivation
- Pre-filtration of cell culture media
- Pre-filtration of serum and other viscous biologicals
- Pre-filtration of serum solutions
- Clarification of cell harvest supernatants
- Pre-filtration of protein solutions
- Pre-filtration of high value difficult to filter drug solutions
- Pre-filtration of difficult to filter small volume parenterals
- Polishing of turbid solutions

Specifications

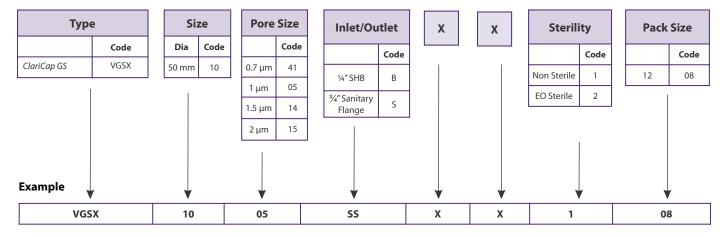
Construction	า		
Pore Size		0.7μm, 1μm, 1.5μm, 2μm	
Filter media		Microglassfiber	
Downstream Layer		Polypropylene	
Support Layers		Polypropylene	
Body and Core		Polypropylene	
Size			
Size		25 mm	50 mm
Effective Filtration Area (Nominal)		5 cm ²	20 cm ²
Operational			
Max. Operating Temperature		60 °C	
Max. Differential Pressure		42 psi (3 Kg/cm²) @ 30 °C	
Sterilization	By Gas	Sterilizable by Ethylene Oxide	
	By Autoclave	Autoclavable at 125 °C for 30 minutes. Can not be in-line steam sterilized	
Assurance			
Toxicity		Passes Bioreactivity Test, <i>In Vivo</i> , as per USP <88> for Class VI plastics	
Fiber Release		Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release	
Particle Release		The filtrate complies with USP <788> test for particulate matter in injections	
Extractables with WFI		Passes test as per USP	
Oxidizable Substances		Within limits as specified in USP	

Ordering Information

ClariCap GS 25 mm



ClariCap GS 50 mm



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