

mdi ClariCap GS Microglassfiber Capsule Filters are multilayered, high throughput filters, specially designed for turbid and difficult to filter solutions. The microglassfiber medium is designed to retain colloidal particles and for removal of deformable and non-deformable particles and microorganisms from liquids.

The polypropylene layer downstream of microglassfiber layers prevents media migration. The high dirt holding capacity, biochemical inertness, adsorption and high wet strength of the filtration medium makes it suitable for clarification and prefiltration of wide range of aqueous, non-aqueous and biologicals solutions.

Special Features

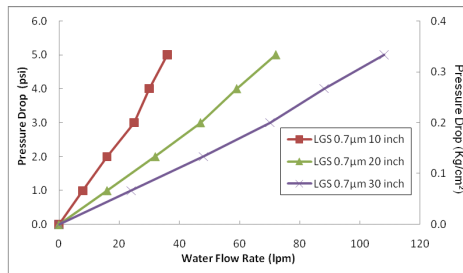
- Very high particulate retention efficiency
- High throughput
- High heat resistance
- Wide chemical compatibility
- No media migrating
- Biologically inert
- Easy installation



Applications

- Pre-filtration of high value difficult to filter drug solutions
- Precipitate removal in protein processing and plasma fractions
- Removal of un-dissolved buffer salts and cell culture media
- Prefiltration of serum and other viscous biologicals
- Polishing of turbid solution
- Chemical Processing
- Beverage clarification

Water Flow Rates



Complies with
USFDA 21 CFR 210.3 (b) (6)

Meets and Exceeds
USFDA 21 CFR 177.1520

Specifications

Material of Construction

Housing – Polypropylene

Filter – Multilayered Microglassfiber

Maximum Differential Pressure

≤ 4 Kg/cm² @ 30° C

Maximum Operating Temperature

80° C @ < 2 Kg/cm²

Retention Efficiency

99.999%

Sterilization

By Gas	Sterilization by Ethylene Oxide
By Autoclave	30 autoclave cycles at 125° C for 30 minutes each

Oxidizable Matter

Passes test as per USP <1231>

Extractables

Passes NVR test as per USP <661>

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

Toxicity

Passes Biological reactivity test, In Vivo, as per USP <88> for class VI plastics

Ordering Information

Type	Code	Size		Pore Size		I/O Connection		X	Inline/T-line		Sterility		Pack Size	
		Code	Code	Code	Code	Code	Code		Code	Code	Qty	Code		
ClariCap GS	LGSX	5"	53	0.7µm	41	1½" Sanitary Flange		X	Inline	X	Non Sterile		1	01
		10"	54	1µm	05	Single Step ½" Hose barb					Sterile			
		20"	55	1.5µm	14	¾" Sanitary Flange***					Sterile			
		30"	56	2µm	15	¾" Hose Barb					Sterile			
						1" Hose Barb**								

Example:

LGSX	54	41	EE	X	X	1	01
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* T-line is not available in 5" Capsule filter
* T-line Capsule filter are available with 1½" Sanitary Flange I/O only
**1" hose barb connection is not available in 5" capsule filter
***¾" Sanitary Flange is available only in 5" and 10" capsule filters