Consieve MET

Microfiltration TFF Cassette



Consieve MET microfiltration TFF cassettes are often used in the clarification process of the supernatant after centrifugation of fermentation broth or lysate. It has the characteristics of high process throughput, large filtration loading capacity, good clarification effect, and easy cleaning. The relatively open suspended flow channel is compatible with filter fluids with a certain solid content and higher viscosity.

Material (PES Microfiltration TFF Cassettes)

Membrane	Polyethersulfone (PES)
Screen	Polypropylene (PP)
Gasket	Silicone
Sealant	Silicone
Material Features	High throughput, high load capacity, acid and alkali resistant

Information

PH Range	1-14
Pore Size	0.1/0.2/0.45/0.65μm
Max. Operating Temperature	50°C
Max. Operating Pressure	4bar
Integrity	100% integrity testing
Tangential Flow Rate	100% tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.

Material (PVDF Microfiltration TFF Cassettes)

Membrane	Polyvinylidene difluoride (PVDF)
Screen	Polypropylene (PP)
Gasket	Silicone
Sealant	Silicone
Material Features	Very hydrophilic, high throughput, high loading capacity, and good anti-pollution ability

Information

PH Range	2-11
Pore Size	0.1/0.2/0.45/0.65μm
Max. Operating Temperature	50°C
Max. Operating Pressure	4bar
Integrity	100% integrity testing
Tangential Flow Rate	100% tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.

Material (RC Microfiltration TFF Cassettes)

Membrane	Regenerated cellulose (RC)
Screen	Polypropylene (PP)
Gasket	Silicone
Sealant	Silicone
Material Features	Naturally hydrophilic, good anti-pollution ability, resistant to various organic solvents

Information

PH Range	2-13
Pore Size	0.2 /0.45μm
Max. Operating Temperature	50°C
Max. Operating Pressure	4bar
Integrity	100% integrity testing
Tangential Flow Rate	100% tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.

Filter Type

Format	Abbr.	Available Size	R&D	Throughput	Notes
Lab	LA	200 cm² 0.1 m²	R&D	200-2000ml 5-50L	Cassette format, stainless steel holder required
Flow	FL	0.5 m² 2.5 m²	Pilot, Process	>50L >50L	

Ordering Information

Cobetter Consieve MET PES Microfiltration Cassettes (Suspended Screen)

Application	Membrane	Format	Screen Type	NMWL	Effective Filtration Area	Industry
MF	E	LA	V	M10	002	P
MF Cobetter Consieve MET	E PES	LA Lab FL Flow	V Suspended	M10 0.1μm M20 0.2μm M45 0.45μm M65 0.65μm	002 200 cm^2(only Lab) 010 0.1 m^2(only Lab) 050 0.50 m^2(only Flow) 250 2.50 m^2(only Flow)	P Pharmaceutical

Cobetter Consieve MET PVDF Microfiltration Cassettes (Suspended Screen)

Application	Membrane	Format	Screen Type	NMWL	Effective Filtration Area	Industry
MF	D	LA	V	M10	002	P
MF Cobetter Consieve MET	D PVDF	LA Lab FL Flow	V Suspended	M10 0.1μm M20 0.2μm M45 0.45μm M65 0.65μm	002 200 cm^2(only Lab) 010 0.1 m^2(only Lab) 050 0.50 m^2(only Flow) 250 2.50 m^2(only Flow)	P Pharmaceutical

Cobetter Consieve MET RC Microfiltration Cassettes (Suspended Screen)

Application	Membrane	Format	Screen Type	NMWL	Effective Filtration Area	Industry
MF	C	LA	V	M20	002	P
MF Cobetter Consieve MET	C RC	LA Lab FL Flow	V Suspended	M20 0.2μm M45 0.45μm	002 200 cm^2(only Lab) 010 0.1 m^2(only Lab) 050 0.50 m^2(only Flow) 250 2.50 m^2(only Flow)	P Pharmaceutical

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