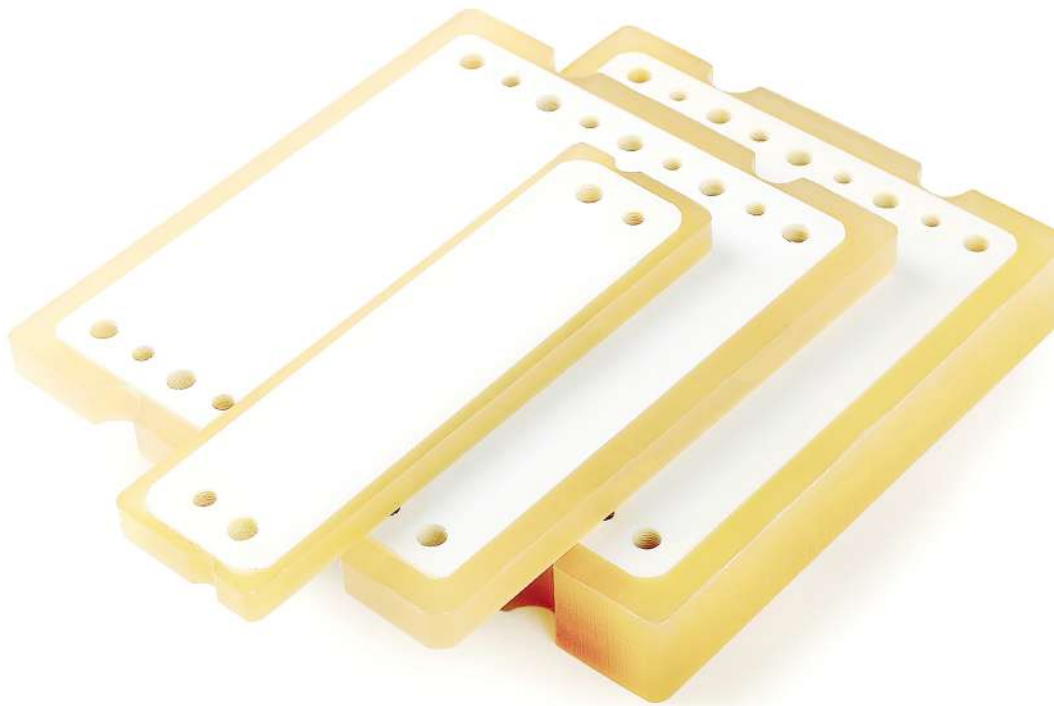


CassetteFlow Microfiltration Ultrafiltration



PESU Ultrafiltration Cassettes

GVS microfiltration & ultrafiltration cassettes have the characteristics of quick and easy installation, thorough and convenient cleaning, low working volume, high efficiency retention and large flux. Linear scale-up of process can be achieved from small to large size cassettes.



Material

Membrane:	PESU/RC
Support:	Polyester/Polyolefin
Screen mesh:	PP
Sealing gasket:	Medical silica
Material characteristics:	Low adsorption of non-specific protein, high product recovery, high flux, good chemical compatibility

Parameters

Membrane pore size	ultrafiltration(kd)	microfiltration(μm)
	1/3/5/8/10/30/50/100/300/500/750/1000	0.1/0.22/0.45
Max pressure	≤3bar	
TMP	≤3bar @ 4-45°C	
Working temperature range	4-45°C	
pH	1-14	
Flux test	100% tested before delivery	
Integrity test	100% tested before delivery	

Cassettes size and the selection

Type	Membrane area	Application	Processing capacity	Remark
SM	0.11m ²	R&D	200mL-2L	Adapt to stainless steel holder (0.1m ²)
LM	0.5m ²	pilot scale test	500mL-10L	Adapt to stainless steel holder (0.5-2.5m ²)
	1.3m ²	Pilot scale test, production	1000mL-50L	
	2.5m ²	Pilot scale test, production	50L more than 50L	

Ordering information

	Pore size	0.11m ² filter area	0.5m ² filter area	1.3m ² filter area	2.5 m ² filter area
Microfiltration cassettes	0.1μm	CSTPSUGG010M0011	CSTPSUGG010M0050	CSTPSUGG010M0130	CSTPSUGG010M0250
	0.22μm	CSTPSUGG022M0011	CSTPSUGG022M0050	CSTPSUGG022M0130	CSTPSUGG022M0250
	0.45μm	CSTPSUGG045M0011	CSTPSUGG045M0050	CSTPSUGG045M0130	CSTPSUGG045M0250
Ultrafiltration cassettes	Cut off	0.11m ² filter area	0.5m ² filter area	1.3m ² filter area	2.5 m ² filter area
	1kd	CSTPSUGG00010011	CSTPSUGG00010050	CSTPSUGG00010130	CSTPSUGG00010250
	3kd	CSTPSUGG00030011	CSTPSUGG00030050	CSTPSUGG00030130	CSTPSUGG00030250
	5kd	CSTPSUGG00050011	CSTPSUGG00050050	CSTPSUGG00050130	CSTPSUGG00050250
	8kd	CSTPSUGG00080011	CSTPSUGG00080050	CSTPSUGG00080130	CSTPSUGG00080250
	10kd	CSTPSUGG00100011	CSTPSUGG00100050	CSTPSUGG00100130	CSTPSUGG00100250
	30kd	CSTPSUGG00300011	CSTPSUGG00300050	CSTPSUGG00300130	CSTPSUGG00300250
	50kd	CSTPSUGG00500011	CSTPSUGG00500050	CSTPSUGG00500130	CSTPSUGG00500250
	100kd	CSTPSUGG01000011	CSTPSUGG01000050	CSTPSUGG01000130	CSTPSUGG01000250
	300kd	CSTPSUGG03000011	CSTPSUGG03000050	CSTPSUGG03000130	CSTPSUGG03000250
	500kd	CSTPSUGG05000011	CSTPSUGG05000050	CSTPSUGG05000130	CSTPSUGG05000250
	750kd	CSTPSUGG07500011	CSTPSUGG07500050	CSTPSUGG07500130	CSTPSUGG07500250
	1000kd	CSTPSUGG10000011	CSTPSUGG10000050	CSTPSUGG10000130	CSTPSUGG10000250