

Consieve UET

TFF Cassette with PES Membrane

Consieve UET PES Cassette have high retention efficiency with low working volume and are easy to clean/install. Available in Lab and Flow format, both have same height and length screen type, easy to amplify based on specific process requirements. The inner gaskets make installation/cleaning/storage/replacement quick and easy. Low working volume and high efficiency ensure product yields.



Material

Membrane	PES
Screen	PP
Gasket	Silicone
Sealant	Silicone
Material Features	Low protein binding and high product yield High flux Broad chemical compatibility

Information

PH Range	1-14
NMWL	1/3/5/8/10/30/50/100/300/500/1000KD
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.

Filters Type

Format	Abbr.	Available Size	R&D	Throughput	Notes
Lab	LA	100 cm ² 200 cm ² 0.11 m ²	R&D R&D, Pilot	200-2000ml 200-2000ml 5-50L	Cassette, Stainless steel holder required
Flow	FL	0.46 m ² 0.5 m ² 2.33 m ² 2.5 m ²	Pilot, Process Pilot, Process	>50L >50L	

Ordering Information

Cobetter Consieve UET Cassettes (Standard Coarse Screen)

Application	Format	Screen Type	NMWL	Type	Effective Filtration Area	Industry
<u>UFE</u>	<u>LA</u>	<u>0</u>	<u>001</u>		<u>001</u>	<u>P</u>
<u>UFE</u> Cobetter Consieve UET	<u>LA</u> Lab <u>FL</u> Flow	<u>0</u> Standard Coarse Screen	<u>001</u> 1 KD	<u>Blank</u>	<u>001</u> 100 cm ² (only Lab)	<u>P</u> Pharmaceutical
			<u>003</u> 3 KD		<u>002</u> 200 cm ² (only Lab)	
			<u>005</u> 5 KD		<u>010</u> 0.11 m ² (only Lab)	
			<u>008</u> 8 KD		<u>050</u> 0.46 m ² (only Flow)	
			<u>010</u> 10 KD		<u>055</u> 0.50 m ² (only Flow)	
			<u>030</u> 30 KD		<u>250</u> 2.33 m ² (only Flow)	
			<u>050</u> 50 KD		<u>270</u> 2.50 m ² (only Flow)	
			<u>100</u> 100 KD			
			<u>300</u> 300 KD			
			<u>500</u> 500 KD			
<u>UFE</u> Cobetter Consieve UET	<u>FL</u> Flow	<u>0</u> Standard Coarse Screen	<u>01K</u> 1000 KD	<u>B</u>	<u>050</u> 0.46 m ² (only Flow)	
					<u>055</u> 0.50 m ² (only Flow)	
					<u>250</u> 2.33 m ² (only Flow)	
					<u>270</u> 2.50 m ² (only Flow)	

Cobetter Consieve UETA Cassettes (Tight Screen)

Application	Format	Screen Type	NMWL	Type	Effective Filtration Area	Industry
<u>UFE</u>	<u>LA</u>	<u>A</u>	<u>001</u>		<u>001</u>	<u>P</u>
<u>UFE</u> Cobetter Consieve UET	<u>LA</u> Lab <u>FL</u> Flow	<u>A</u> Tight Screen	<u>001</u> 1 KD	<u>Blank</u>	<u>001</u> 100 cm ² (only Lab)	<u>P</u> Pharmaceutical
			<u>003</u> 3 KD		<u>002</u> 200 cm ² (only Lab)	
			<u>005</u> 5 KD		<u>010</u> 0.11 m ² (only Lab)	
			<u>008</u> 8 KD		<u>055</u> 0.50 m ² (only Flow)	
			<u>010</u> 10 KD		<u>270</u> 2.50 m ² (only Flow)	
			<u>030</u> 30 KD			
			<u>050</u> 50 KD			
			<u>100</u> 100 KD			
			<u>300</u> 300 KD			
			<u>500</u> 500 KD			
<u>UFE</u> Cobetter Consieve UET	<u>FL</u> Flow	<u>A</u> Tight Screen	<u>01K</u> 1000 KD	<u>B</u>	<u>055</u> 0.50 m ² (only Flow)	
					<u>270</u> 2.50 m ² (only Flow)	

Cobetter Consieve UETV Cassettes (Suspended Screen)

Application	Format	Screen Type	NMWL	Type	Effective Filtration Area	Industry
<u>UFE</u>	<u>LA</u>	<u>V</u>	<u>001</u>		<u>002</u>	<u>P</u>
<u>UFE</u> Cobetter Consieve UET	<u>LA</u> Lab <u>FL</u> Flow	<u>V</u> Suspended	<u>001</u> 1 KD	<u>Blank</u>	<u>002</u> 200 cm ² (only Lab)	<u>P</u> Pharmaceutical
			<u>003</u> 3 KD		<u>010</u> 0.11 m ² (only Lab)	
			<u>005</u> 5 KD		<u>055</u> 0.50 m ² (only Flow)	
			<u>008</u> 8 KD		<u>270</u> 2.50 m ² (only Flow)	
			<u>010</u> 10 KD			
			<u>030</u> 30 KD			
			<u>050</u> 50 KD			
			<u>100</u> 100 KD			
			<u>300</u> 300 KD			
			<u>500</u> 500 KD			
<u>UFE</u> Cobetter Consieve UET	<u>FL</u> Flow	<u>V</u> Suspended	<u>01K</u> 1000 KD	<u>B</u>	<u>055</u> 0.50 m ² (only Flow)	
					<u>270</u> 2.50 m ² (only Flow)	

Consieve 2 UET

TFF Cassette with PES Membrane

Consieve 2 series ultrafiltration cassettes represent an enhanced iteration of Cobetter Consieve line, incorporating field-proven design optimizations in membrane structure and material selection. **Consieve 2 UET** cassettes employ polyurethane resin encapsulation, significantly increases structural rigidity and compression resistance, ensuring dimensional stability of flow channels.

The cassettes demonstrate excellent linear scalability from lab-scale development to production-scale manufacturing. With optimized flow path configurations and multiple channel options, users can select the most suitable flow structure based on application requirements to improve process economics.



Material

Membrane	PES
Screen	PP
Gasket	Silicone
Adhesive	Polyurethane
Material Features	Low protein binding and high product yield High flux Broad chemical compatibility

Information

pH Range	1-14
NMWL	1/3/5/8/10/30/50/100/300/500/1000KD
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.

Ordering Information

Cobetter Consieve™ 2 UETA Ultrafiltration Cassettes

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2ME	001S	A	01	P
UF2ME Cobetter Consieve™ 2 UETA	001S 1 KD	A Tight Screen	01 0.01 m ²	P Pharmaceutical
	003S 3 KD		02 0.02 m ²	
	005S 5 KD		10 0.11 m ²	
	008S 8 KD		50 0.5 m ²	
	010S 10 KD		25 2.5 m ²	
	030S 30 KD			
	050S 50 KD			
	100S 100 KD			
	300S 300 KD			
	500S 500 KD			
	01KS 1000 KD			

Cobetter Consieve™ 2 UETC Ultrafiltration Cassettes

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2ME	001S	C	01	P
UF2ME Cobetter Consieve™ 2 UETC	001S 1 KD	C Standard Screen	01 0.01 m ²	P Pharmaceutical
	003S 3 KD		02 0.02 m ²	
	005S 5 KD		10 0.11 m ²	
	008S 8 KD		50 0.5 m ²	
	010S 10 KD		25 2.5 m ²	
	030S 30 KD			
	050S 50 KD			
	100S 100 KD			
	300S 300 KD			
	500S 500 KD			
	01KS 1000 KD			

Cobetter Consieve™ 2 UETD Ultrafiltration Cassettes

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2ME	001S	D	01	P
UF2ME Cobetter Consieve™ 2 UETD	001S 1 KD	D Coarse Screen	01 0.01 m ²	P Pharmaceutical
	003S 3 KD		02 0.02 m ²	
	005S 5 KD		10 0.11 m ²	
	008S 8 KD		50 0.5 m ²	
	010S 10 KD		25 2.5 m ²	
	030S 30 KD			
	050S 50 KD			
	100S 100 KD			
	300S 300 KD			
	500S 500 KD			
	01KS 1000 KD			

Cobetter Consieve™ 2 UETV Ultrafiltration Cassettes

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2ME	001S	V	01	P
UF2ME Cobetter Consieve™ 2 UETV	001S 1 KD	V Suspended Screen	01 0.01 m ²	P Pharmaceutical
	003S 3 KD		02 0.02 m ²	
	005S 5 KD		10 0.11 m ²	
	008S 8 KD		50 0.5 m ²	
	010S 10 KD		25 2.5 m ²	
	030S 30 KD			
	050S 50 KD			
	100S 100 KD			
	300S 300 KD			
	500S 500 KD			
	01KS 1000 KD			



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