

# TFF Cassettes



Consieve® UET Cassette membranes have a high retention efficiency and are easy to clean/install. Available in a wide range of configurations.

Due to its design, it is easy to amplify/increase 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.

## Applications

- Biomacromolecules
- Dialysis
- Desalting
- Buffer replacement
- Analysis purification
- Endotoxin removal
- Macromolecular removal

## Fields

- Blood products
- Vaccines
- Recombinant proteins
- Monoterpenes
- Plasmids
- Chemicals
- Chinese medicine injections

## Information

Materials	PES
Material Features	Low protein binding and high product yield superior flow rates
PH Range	Broad chemical compatibility: pH 1-14
NMWL	5/8/10/30/50/100KD
Operating Temperature Range	4-50°C
Max. Operating Pressure	6.0 bar @ 25°C
Diffusion Flow (Air)	0.11 m <sup>2</sup> ≤12ml/min@1.0bar, 0.46 m <sup>2</sup> ≤50ml/min@1.0bar
Pressure Drop	0.3-0.6 bar ( Circulation Flow Rate 6L/min/m <sup>2</sup> )

Types	Available Size	Applications	Throughput	Notes
Lab <b>LA</b>	100 cm <sup>2</sup> 0.11 m <sup>2</sup>	R&D R&D, Pilot Production	200-2000ml 5-50L	Membrane Cassette ; Stainless Steel Holder required
Flow <b>FL</b>	0.46 m <sup>2</sup> 2.33 m <sup>2</sup>	Pilot Production, Large Scale Production Pilot Production, Large Scale Production	>50L >50L	
SCU <b>SC</b>	0.11 m <sup>2</sup>	R&D, Pilot Production	5-50L	Plastic Housing , self-clamping

## Ordering Information

Application	Material of membrane	Format	NMWL	Effective Filtration Area	Industry
<b>UF</b>	<b>E</b>	<b>LA</b>	<b>0005</b>	<b>010</b>	<b>P</b>
<b>UF</b> Ultrafiltration	<b>E</b> PES	<b>LA</b> <b>FL</b> <b>SC</b>	<b>0005</b> 5 KD <b>0008</b> 8 KD <b>0010</b> 10 KD <b>0030</b> 30 KD <b>0050</b> 50 KD <b>0100</b> 100 KD	<b>001</b> 100 cm <sup>2</sup> <b>010</b> 0.11 m <sup>2</sup> <b>050</b> 0.46 m <sup>2</sup> <b>250</b> 2.33 m <sup>2</sup>	<b>P</b> Pharmaceutical