

每个 Sterlitech 集团 实验室用超滤膜型号列表

**UF Flat-Sheet Performance Comparison by Manufacturer: 美国 GE Osmonics™**

Series	GE	GH	GK	PT	PW	MW
<b>Feed</b>	Surface/Chemical	Surface/Chemical	Surface/Chemical	Process/Ultrapure	Process/Ultrapure	Oil/Water
<b>Type</b>	Pre-Treatment, Color Reduction, Purification	Pre-Treatment, Color Reduction, Purification	Pre-Treatment, Color Reduction, Purification	Pre/Post Treatment	Pre/Post Treatment	Hydrophilic
<b>pH Range (25 °C)</b>	1-11	1-11	1-11	1-11	1-11	2-9
<b>Flux (GFD)/psi</b>	18/400	20/150	17/75	90/50	85/30	176/20
<b>Rejection Size</b>	1K-PEG	2K-PEG	3K-PEG	5K-Dextran	10K-Dextran	50K-Protein
<b>Pore Size/ MWCO</b>	1,000 Da	2,000 Da	3,000 Da	5,000 Da	10,000 Da	50,000 Da
<b>Polymer</b>	Composite Polyamide	Polyamide-TFC	Polyamide-TFC	Polyethersulfone	Polyethersulfone	PAN

## Synder Filtration™ 美国星达滤膜

Series	XT	VT	MT	ST	SM	MK	V3	BN	MQ	MQ MAX	V4	BY	LY	V5	BX	LX	A6	V6	V7
<b>Feed<sup>1</sup></b>	IND	IND	IND	IND	IND/W W	IND	IND/W W	IND	IND	IND	IND/W W	IND	IND	IND/W W	IND	IND	IND	IND/W W	IND/W W
<b>Type<sup>2</sup></b>	AB, Color Removal	AB, Phar ma	Protei n, Enzy me	BC	BC, DC	DC	Alkaline	Brine , Protein	Protein, BC	Protein, BC	FR	CWM, Particle	CWM, Particle	FR	CWM, Particle	CWM, Particle	AP, Microbi al	CP	Laundry Waste
<b>pH Range<sup>3</sup></b>	1-11	1-11	1-11	1-11	2-11	1-11	1-11	1-11	1-10	1-13	1-11	1-11	1-11	1-11	1-11	1-11	1-11	1-11	1-11
<b>Flux (GFD)/ psi</b>	75- 80/50	110- 127/50	120- 147/50	130- 167/50	147/60	181- 193/50	192- 207/50	200- 214/50	176- 270/60	176- 270/60	157- 168/50	162- 173/30	270- 289/50	175- 186/30	181- 193/30	236- 252/30	191- 214/30	182- 196/30	208- 232/30
<b>Rej. Size</b>	1K	3K	5K	10K	20k	30K	30K	50K	50K	50K	70K	100K	100K	200K	250K	300K	500K	500K	800K
<b>Pore size/ MWCO</b>	1,000 Da	3,000 Da	5,000 Da	10,000 Da	20,000 Da	30,000 Da	30,000 Da	50,000 Da	50,000 Da	50,000 Da	70,000 Da	100,000 Da	100,000 Da	200,000 Da	250,000 Da	300,000 Da	500,000 Da	500,000 Da	800,000 Da
<b>Polyme r</b>	PES	PES	PES	PES	PES	PES	PVDF +	PVDF F	PES	PES	PVDF +	PVDF	PES	PVDF +	PVDF	PES	PVDF	PVDF +	PVDF +

**Notes:**

<sup>1</sup> **IND**=Industrial; **WW**=Waste Water

<sup>2</sup> **AB**=Antibiotics; **AP**=Anionic Paint; **BC**=Beverage Clarification; **CP**=Cathodic Paint; **CWM**=Corn Wet Milling; **DC**=Dairy Clarification; **FR**=Fouling Resistant

<sup>3</sup> *Evaluated at 25 °C*

Series	LV	PX	PY	PZ
Feed	Industrial	Wastewater	Wastewater	Wastewater
Type	Corn Wet Milling	Oil Removal	Oil Removal, Enzyme Processing	Oil Removal, Enzyme Processing
pH Range (25 °C)	2-10	3-10	2-11	3-10
Flux (GFD)/psi	NA	NA	NA	NA
Rejection Size	200K	300K	100K	30K
Pore Size/ MWCO	200,000 Da	300,000 Da	100,000 Da	30,000 Da
Polymer	PES	PAN	PAN	PAN

### TriSep™ 滤膜

Series	UA60	UF5	UF10	UE50	UB70
Feed	Process	Process	Process	Process	Dairy/Wastewater
Type	"Tight"	Protein Concentration (High Solids)	Purification, Protein	"Open"	Industrial Wastewater
pH Range (25 °C)	2-11	2-11	2-11	2-11	2-11
Flux (GFD)/psi	35/110	50/20	100/20	100/20	48/3

<b>Rejection Size</b>	70% MgSO <sub>4</sub>	-	95% Cytochrome-C	90% Dextran	-
<b>Pore Size/ MWCO</b>	3,500 Da	5,000 Da	10,000 Da	100,000 Da	0.03 μm
<b>Polymer</b>	Polypiperazine-amide	Polyethersulfone	Polyethersulfone	Polyethersulfone	Polyvinylidene Fluoride

### Microdyn Nadir™ 滤膜

	<b>UH004</b>	<b>UP005</b>	<b>UP010</b>	<b>UP020</b>	<b>UH030</b>	<b>UH050</b>	<b>UP150</b>	<b>US100</b>	<b>UC500</b>	<b>UV150</b>
<b>Feed</b>	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, textile, paper, food, pharma/biotech, chemical	Environment, metal, paint, paper, pharma/biotech	Environment, metal, paint, paper, pharma/biotech
<b>Type</b>	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Hydrophilic, high chemical resistance	Extremely hydrophilic	High stability against oxidizing agents
<b>pH Range (25 °C)</b>	0 to 14	0 to 14	0 to 14	0 to 14	0 to 14	0 to 14	0 to 14	1 to 14	1 to 11	2 to 11

