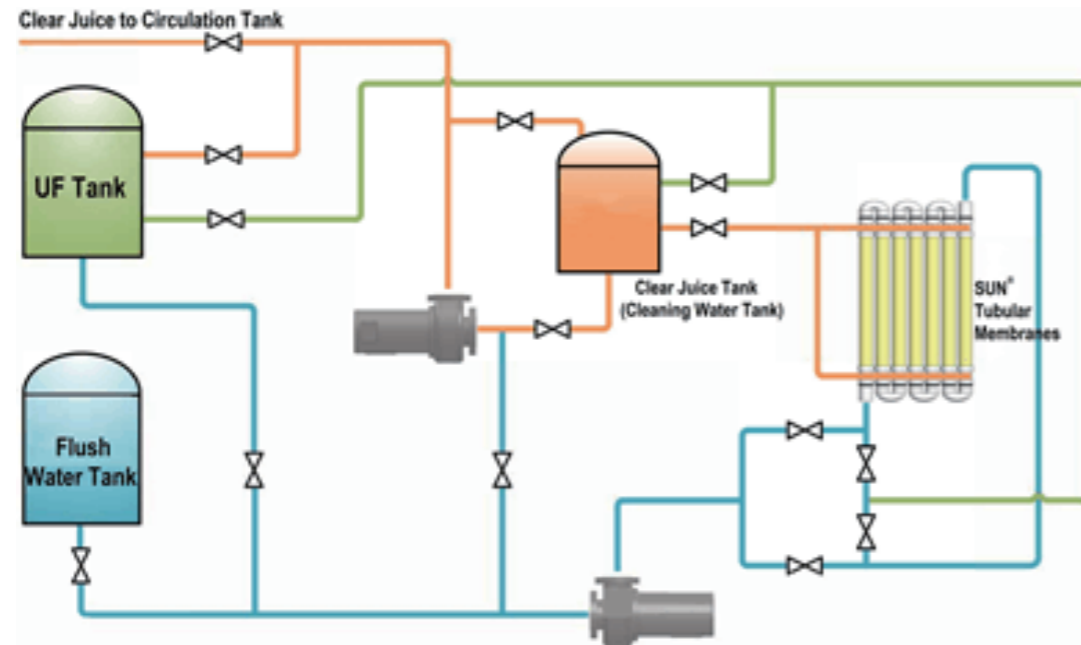


## SUN® Tubular Membranes for Fruit and Vegetable Juice

### Process Introduction

UF membranes can separate substances of 0.005-0.01um, including microorganisms, bacteria, colloid, heat sources, suspended particles, and organic polymers. It is widely used in juice separation industry with perfect performance. The process can be operated at room temperature, and maintenance is easy.



### Typical Applications

Apple juice, pear juice, peach juice, carrot juice, tomato juice, pineapple juice, grape juice, orange juice etc.

Clarification and concentration for various vegetable juices.

Extraction the effective ingredients of aloe, tea etc.

Separation of beer and wine.

## TP-UF/ME Series Sanitary Tubular Membranes

### Application for Juice Processing

<b>PRODUCT DESCRIPTION</b>	Membrane Chemistry:	Special PS / PES
	Membrane Type:	Alkali Resistance UF Membrane, MWCO:100,000 Dalton, Tolerance 20% NaOH
	Construction:	Tubular, Vessel Material: FRP / SUS
	Options:	4", 6", 8", 10" Dimensions are all available

<b>SPECIFICATIONS</b>	Model	Tube ID.	Module OD.	Module Length	Membrane Area	Clean Water Flux
		(mm)	(inch)	(mm)	(m <sup>2</sup> )	@100kpa(T/H)
	TP-UF100-12330	12.7	3.0	3048	2.2	1.76
	TP-UF100-12336	12.7	3.0	3658	2.7	2.16
	TP-UF100-12436	12.7	4.3	3658	5.7	4.56
	TP-ME010-12336	12.7	3.0	3658	2.7	0.94
	TS-UF100-8330	8.0	3.0	3048	3.3	2.64

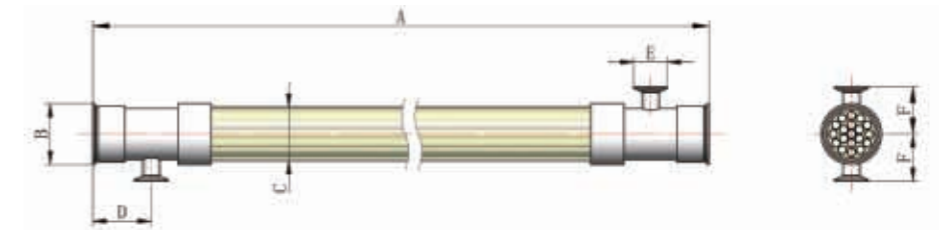
We can offer customized membrane module, especially for small size pilot modules.

<b>OPERATION SPECIFICATIONS</b>	Typical Operation Pressure:	58.0-72.5 psi (4.0-5.0 bar)
	Max. Operation Pressure:	87 psi (6.0 bar)
	Min. Outlet Pressure:	10.0 psi (0.7 bar)
	Max. Permeate Pressure:	3 psi (0.2 bar)
	Single Module Pressure Drop:	4-6 psi (0.27-0.40 bar)
	Max. Operation Temperature (pH:8):	140°F (60°C)
	Max. Temperature for CIP:	104°F (40°C)
	pH-Continuous Operation @25°C:	2.0-10.0
	pH-CIP @40°C:	2.0-12.0
	Max. Chlorine Exposure:	250,000ppm-h

特殊行业应用请联系我们

<b>DESIGN PARAMETERS</b>	Feed Reference:	3.0 inch vessel: 25 m <sup>3</sup> /h (ID=12.7mm); 15 m <sup>3</sup> /h (ID=8.0mm)
		4.3 inch vessel: 49 m <sup>3</sup> /h
	Recommended Flow Velocity:	2-3m/s

### DIMENSIONS



Model	A	B	C	D	E	F
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
TP-UF100-12330	3048	91	76	63.5	50.5	76.0
TP-UF100-12336	3658	91	76	63.5	50.5	76.0
TP-UF100-12436	3658	119	109	71.0	50.5	82.5
TP-ME010-12336	3658	91	76	63.5	50.5	76.0
TS-UF100-8330	3048	91	76	63.5	50.5	76.0