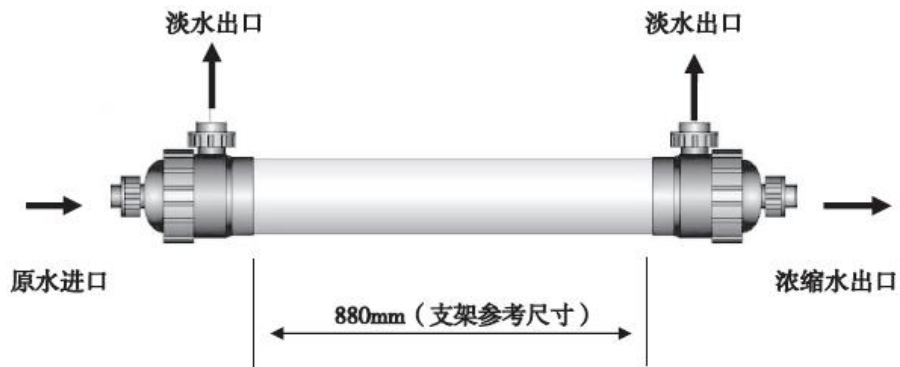
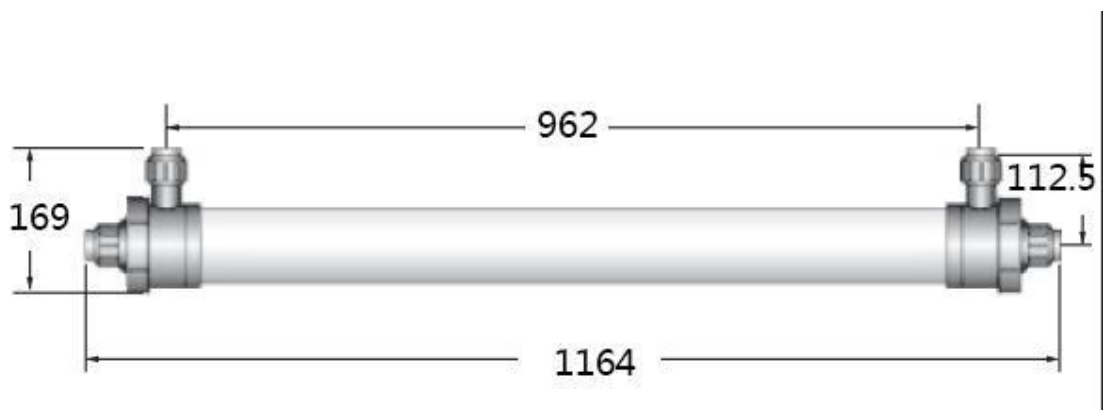


MR4046



Element Dimension

Unit: mm



Specifications:

Membrane materials: PES、PS、PAN、PVC、PVDF

Filtration: 0.1—0.01 micron

Fiber inner/outer diameter (mm): 1.0

outer diameter (mm): 1.5

Membrane Area (m²): 4.5

Molecular weight cutoff (dalton): 6000-100000

SDI range: ≤6.66

NTU range: <25NTU

COD range (Mn): ≤10

PH range: 2—10

SS range: <100

Design flux (L/m²/h): 40-120 (usually 70, exceeds 100 if the water quality was good)

Operating pressure (Mpa): ≤0.3

Recover rate: 50%—90%

Max. transmembrane pressure (Mpa): <0.2

Max. Operating temperature (°C): 40

Application area

1. Ro pretreatment and aftertreatment
2. Drinking water treatment
3. Precipitate removing of alcohol
4. Concentration treatment.
5. Medical dialysis and blood filtration

Produced water pollution index:

NTU: ≤ 1

SDI: ≤ 3

SS (lg/l): ≤ 1

Notice:

1. When the membrane module begins to run, the initial water yield should be controlled at about 30%-60% of the design water, and then increase to the design water yield after 24 hours of operation, which is beneficial to the long-term stable operation of the membrane products.
2. The design water yield of the ultrafiltration system is usually measured under the conditions of water temperature and standard pressure at 25 C. If the water temperature rises or drops, the water yield increases or decreases correspondingly. The water temperature drops by 1 degrees centigrade, the water yield decreases by 2.13%. Vice versa the water temperature rises.
3. It's better to install UF membrane indoors, and avoid sun-baked and wringing.
4. When the ultrafiltration system works normally, the inflow pressure range is 0.1-0.3Mpa, and the pressure can not be increased to increase the water production. Otherwise, the membrane assembly will be damaged. The pressure value can be adjusted by ultrafiltration into the butterfly valve. It can be adjusted by the butterfly gate of membrane.
5. When transmembrane pressure $TMP \leq 0.08MPa$, system is behaving normally. When transmembrane pressure $TMP > 0.08Mpa$, This indicates that the membrane Blocking is serious and needs to be stopped for chemical treatment. Halting the machine immediately and give chemical cleaning.

6. Site Photos:



