



Overview

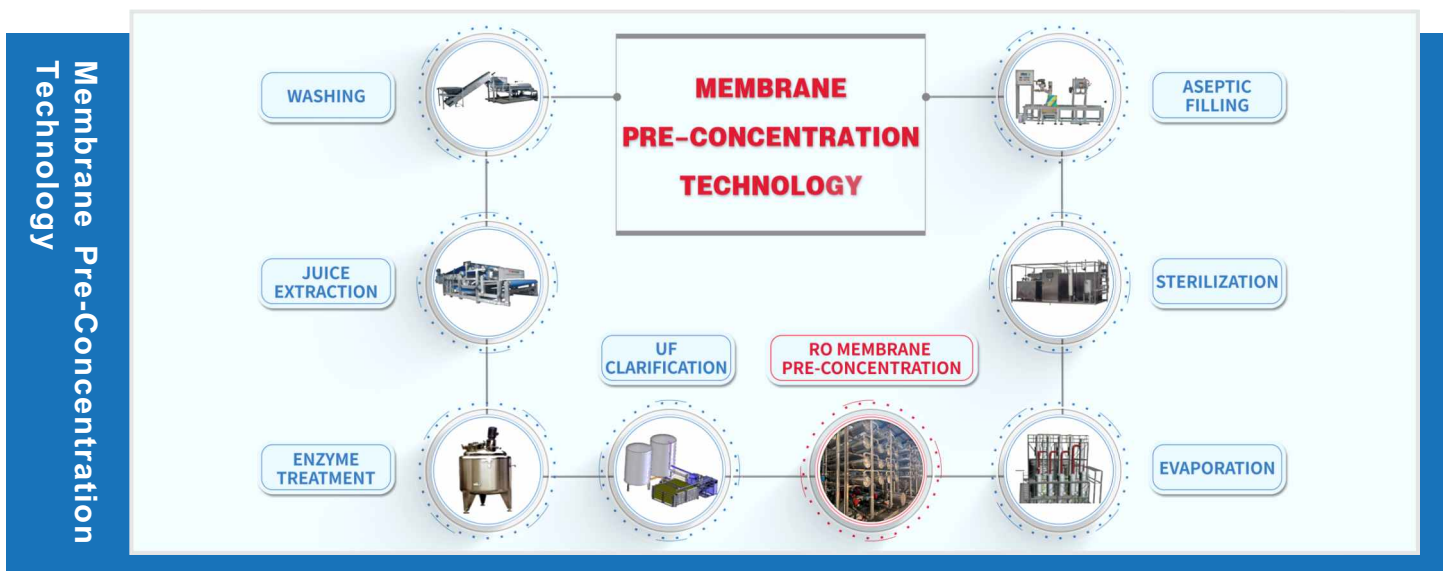
For juice concentration, traditional evaporator technology usually requires 20 to 50 kWh/m³ to process, while our RO membrane system requires only 5 to 7 kWh/m³, which can sensibly reduce the energy cost.

Based on our experience in China and overseas, compared with 7.5USD/m³ cost of natural gas consumption for evaporator, all operation cost and the depreciation of this system is only 1.5USD/m³. A juice plant can get the repay of their investment in ONE year if the capacity of the RO system is over 30m³/H.

Project Brief

Project Location	<i>Shanxi, China</i>
Treatment Capacity	<i>80m³/H</i>
Started at	<i>October of 2018</i>
Membrane Type	<i>HP 8038 RO Membrane</i>
Membrane Quantity	<i>128pcs</i>
Membrane Area	<i>3,840m²</i>

Project Overview



Process Advantages

- Multi-stages continuous concentration technology-increase the existing evaporator's capacity.
- Less evaporation cost and carbon emissions, increase more profit.
- Premium RO membrane from KOCH Separation Solutions (KSS), USA.
- Wide flow channels, strong anti-pollution ability, which can achieve optimal filtration.
- CIP cleaning, which greatly reduces the amount of cleaning water.
- Intelligent control system is added for easy operation.
- Excellent designs which increase the stability of equipment operation and provide work efficiency.

Project Reference



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