



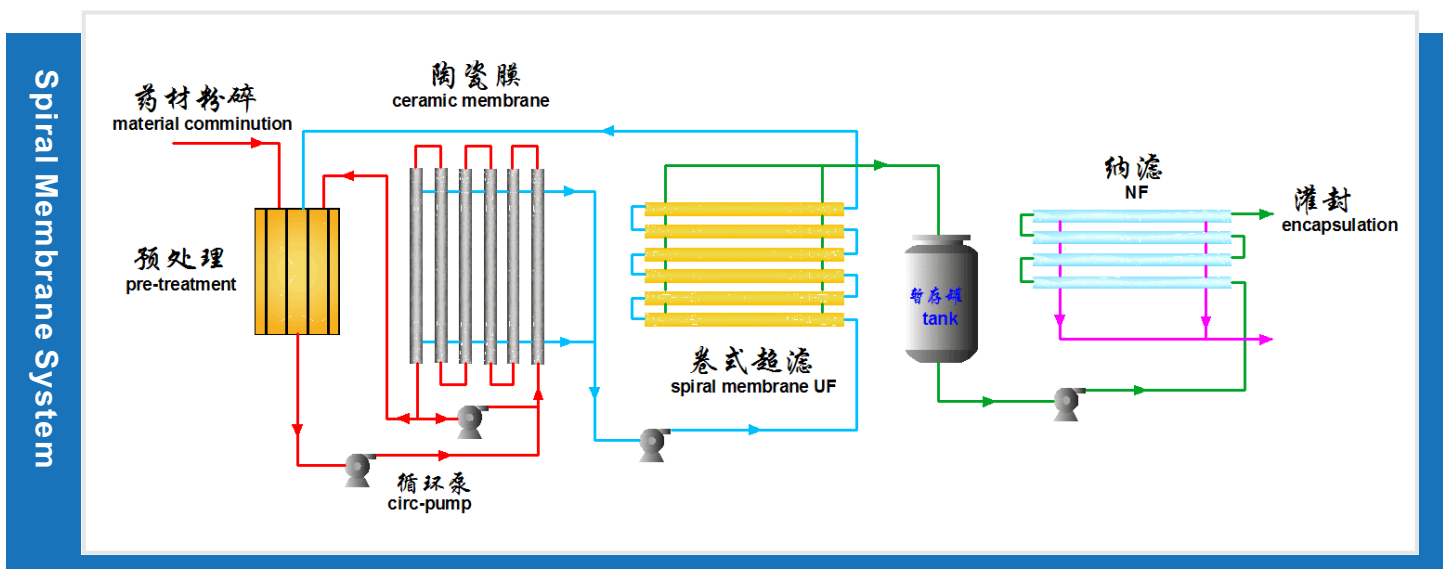
## Overview

The group is established in 1953 and inherits the characteristics of traditional Chinese medicine and tonic liquor. It is brewed by high-quality white liquor and Chinese herbal medicines with modern bioengineering technology. The diversity of ingredients in traditional Chinese medicine requires ultrafiltration membrane technology to retain nutrients such as saponins, flavonoids, active polysaccharides, amino acids, and remove some impurities such as kneading substances and colloids.

## Project Brief

Project Location	Hubei, China		
Treatment Capacity	70m <sup>3</sup> /h (feed)		
Started at	November of 2015		
Technology	MF+UF+NF		
	MF	UF	NF
Membrane Type	Ceramic Membrane	Spiral Membrane	Spiral Membrane
Membrane Model	P1940-N50-1200mm	KOCH-8338-HFM-100	KOCH-8040-SR3D
Membrane Quantity	728pcs	60pcs	60pcs
Membrane Area	208m <sup>2</sup>	1,614m <sup>2</sup>	1,620m <sup>2</sup>

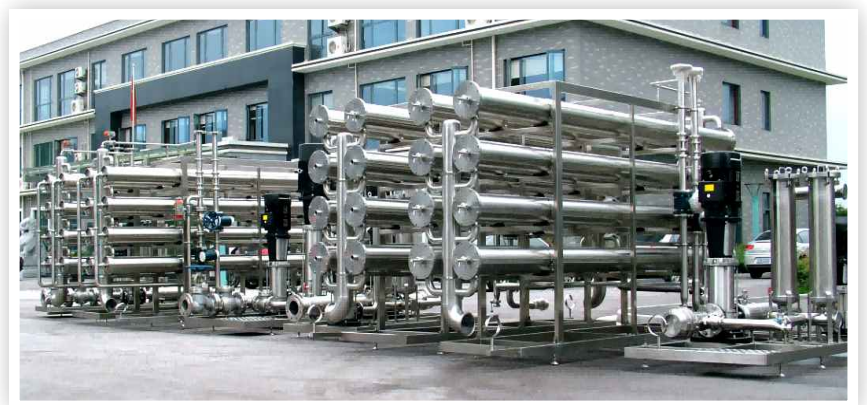
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## Process Advantages

- With high clarity, removes suspended particles, bacteria, tannins, starch, colloidal, protein and part of the pigment molecules simultaneously.
- Hardly has any degradation and loss of the active ingredient and no increase of pigment.
- Does not has phase transition, heating is not required and energy saving.
- Acid & alkali resistance, organic solvents resistance, high temperature resistance, long service life.
- Significantly reduce ethanol consumption, encourage safe production, reduce investment cost of system construction and production lines.
- Stable operation and easy control processing parameter, product quality can be fully guaranteed.
- Save solvent, reduce raw material cost and pollution control cost.

## Spiral Membrane System



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