



Threonine Application

Fufeng Group is a public corporation which produces bio-fermentation products. It focuses on researching and producing various amino acids, its derivatives and bio-colloid. The main products are MSG, Threonine, Valine, Isoleucine, Xanthan Gum etc. They own big domestic market and export more than 60 countries. It starts use Kiami technical process from 2014, for separating and purifying threonine.

Project Brief

- Project site: Xinjiang China
- Treatment capacity: 2000t/d
- Start at: Feb of 2014
- Model: P1940 (50nm)

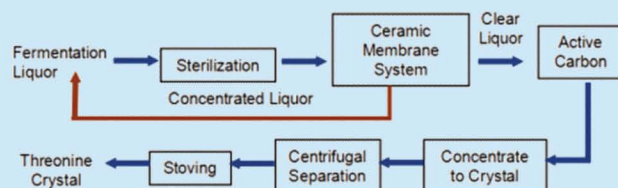
Process Brief

- Membrane Qty: 2208 pcs
- Membrane area: 620m²
- Operation pattern: Batch production
- Technical index:
 - Permeate clean/ no SS
 - Light material transmittance $\geq 70\%$
 - Microscopy: no bacteria
 - Concentration ratio ≥ 4
 - Operation temperature: 50°C–60°C

Overview



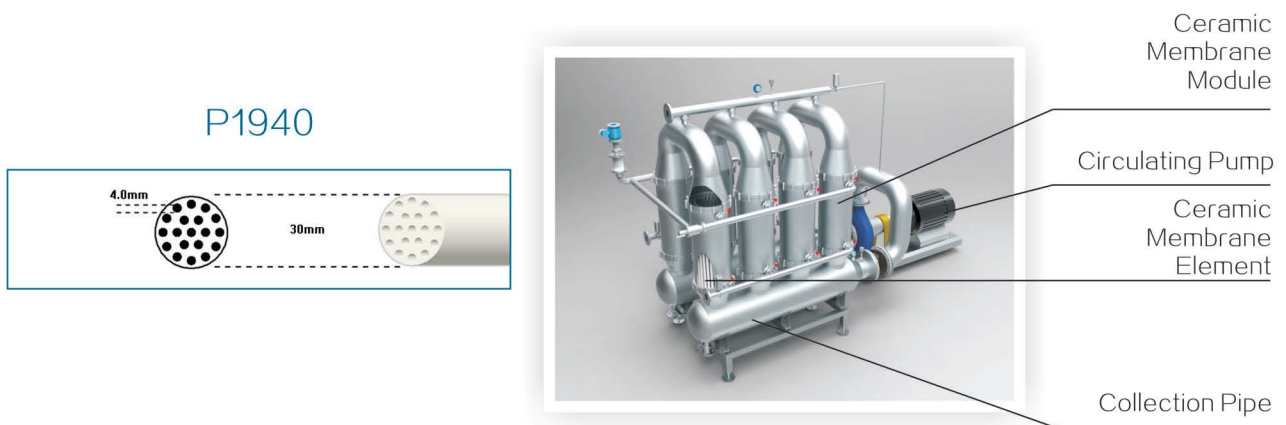
Ceramic membrane plant on site



Technological Advantages

- High anti-pollution ability, Long service time, Reproducible
- High separation accuracy, Permeate clean&clear, Reduced the follow-up work
- No filter aid in the process, No retain of effective constituent in the fermentation
- High ratio of concentrating, Increased the permeate yield
- Recycle the thallus in the fermentation, More economic and environment friendly
- PLCcontrol, easy and reliable operation, Cut down the labour
- Making the producing continuously, Enhanced much production efficiency

Ceramic Membrane System



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