



Lysine Application

The company mainly does agriculture products (corn) further processing business. It provides corn starch, modified starch, L-lysine, Starch sugar, bio-fertilizer and etc. It uses Kaimi technical process from 2012, for separating and purifying Lysine fermentation.

Project Brief

- Project site: Shangdong China
- Treatment capacity: 1500t/d
- Start at: June of 2012
- Model: P1933 (50nm)

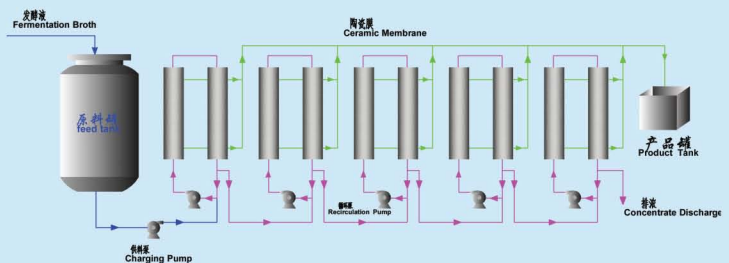
Process Brief

- Membrane Qty: 3208 pcs
- Membrane area: 890m²
- Operation pattern: consecutive concentration
- Technical index:
 - Permeate clean/ no SS
 - Light material transmittance $\geq 60\%$
 - Microscopy: no bacteria
 - Concentration ratio ≥ 5
 - Operation Temperature: 60°C–65°C

Overview



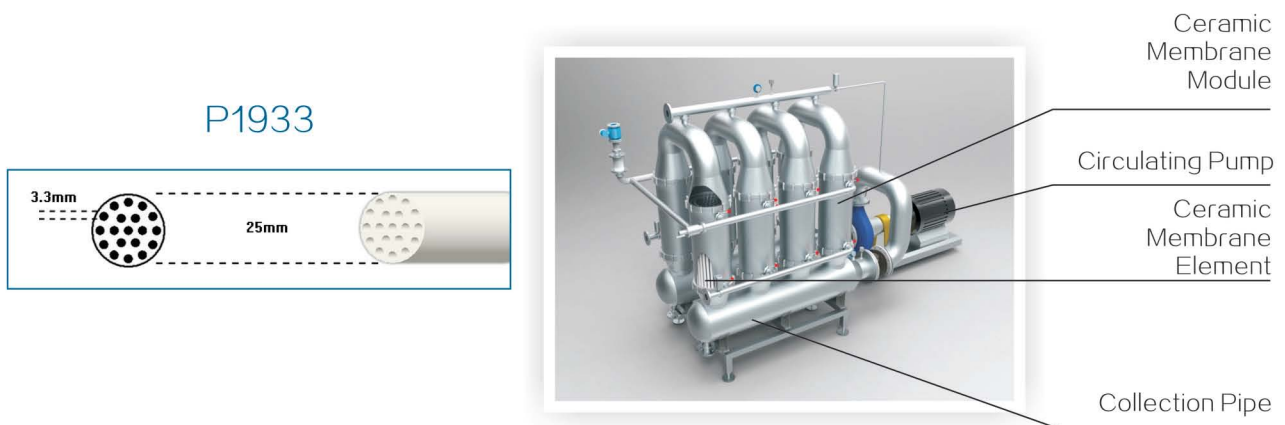
Ceramic membrane plant on site



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
- Free to control the concentration ratio
- Regulate transmembrane pressure, Extend the operation time, Increase the output
- Making the producing continuously, Enhanced much production efficiency
- Select the large chanael diameter ceramic membrane for end process, Reduce fouling

Ceramic Membrane System



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