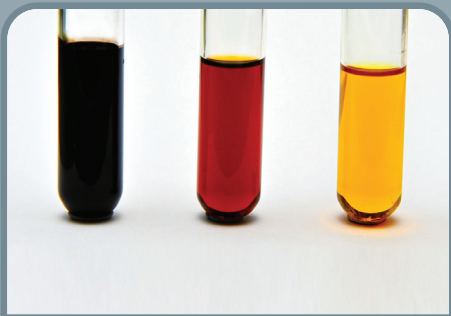
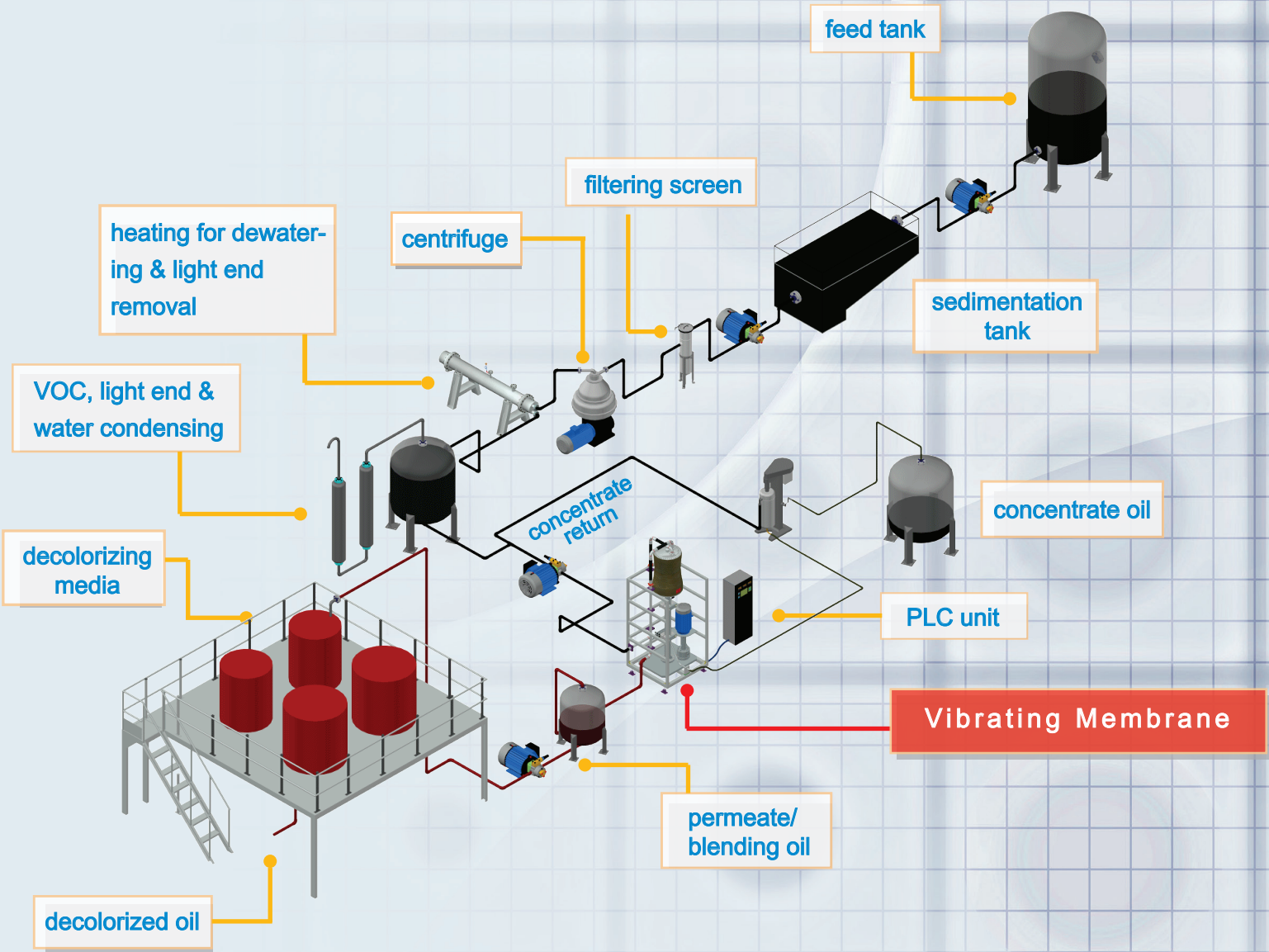
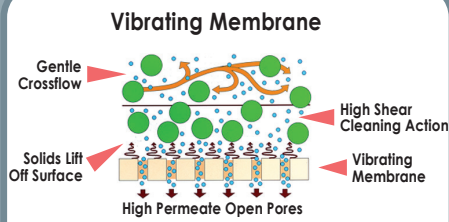


Process Flow Chart

Vibrating Membrane Used Oil Recycling System



Comparison between used oil (right), permeate (middle) and decolorized oil (left)



VMAT applies Vibrating Membrane to filter Carbon Soots & Metal Particulates in Used Oil. Intense shear waves at the membrane surface cause solids and foulants to be lifted off the membrane surface and prevent fouling.



VMAT - Vibrating Membrane Used Oil Recycling System

VMAT I-36 Specifications

Model	VMAT-i36-1 Series
Type of Membrane	MF
Daily Treatment Capacity	7,000 - 9,000 L
Recovery Rate	70%
Feed Source	Motor Oil or Similar Lubricants
Filtration Temperature	80 - 90 °C
Filtration Pressure	50 psi
Power Requirement	380 VAC, 85A 3 - phase, 50 Hz
Power Consumption	45 kW
Heating Energy Consumption	37 MJ / hour
Filter Pack Life Warranty	One Year
Working Environment	VMAT: Indoor Other Components: Outdoor



- Low Cost
- Low Pressure
- Low Temperature
- Small Footprint
- Used Oil Recycling System



An Award Winning Technology



2008 National Environmental Science Award:
- The Silver Prize
(Presented at Beijing, China)



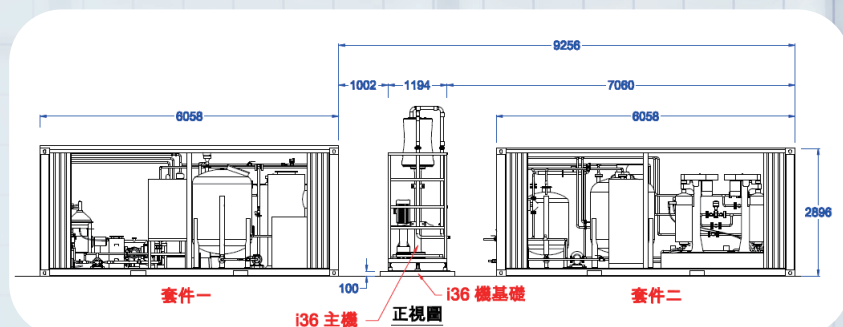
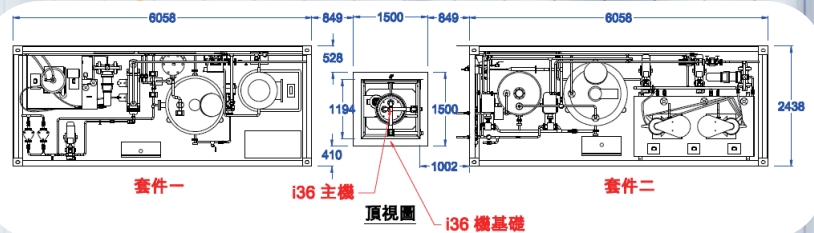
2006 IChemE Awards:
- Environment Award
(Presented at London, U.K.)



2006 Wall Street Journal:
- 9th Asian Innovation Award, Bronze Prize
(Presented at Singapore)



2005 Hong Kong Awards for Industry:
Machinery & Equipment Design Category
- Grand Award
(Presented at Hong Kong)



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