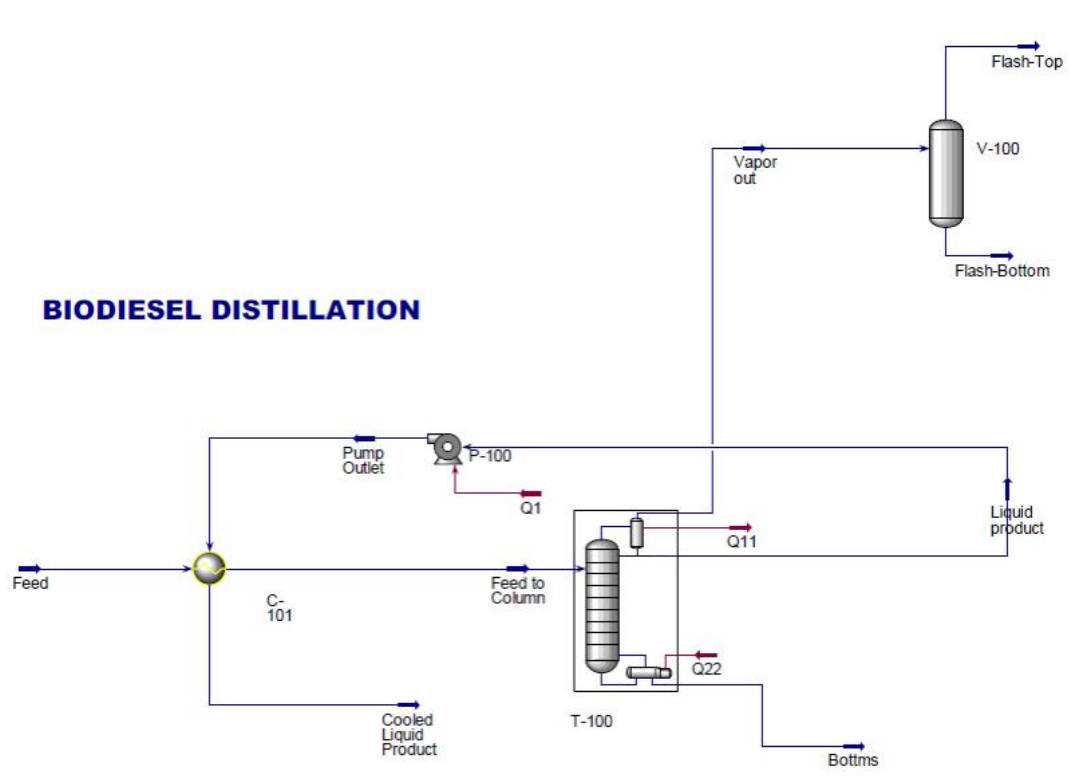


Description – Methanol Recovery from Biodiesel Generation Process Flow Diagram



Process Description

The excess methanol used in the trans-esterification process during biodiesel purification is recovered from the aqueous glycerin phase through distillation and recycling.

The typical feed composition is as follows

Biodiesel 93 % (wt.)

Impurities 07 % (wt.) (Methanol + moisture + glycerides + high boiler & other impurities)

Design basis Export Grade Biodiesel (FAME), astm6751-13b



Operating Conditions

Operating Pressure Column is operating under vacuum.

Column Internals Structured packing for the column is (Type 2.5L)

Experience

Finepac® Structures has supplied biodiesel purification system for several overseas client. The design involves prediction of export grade biodiesel as per ASTM 6751-13b.