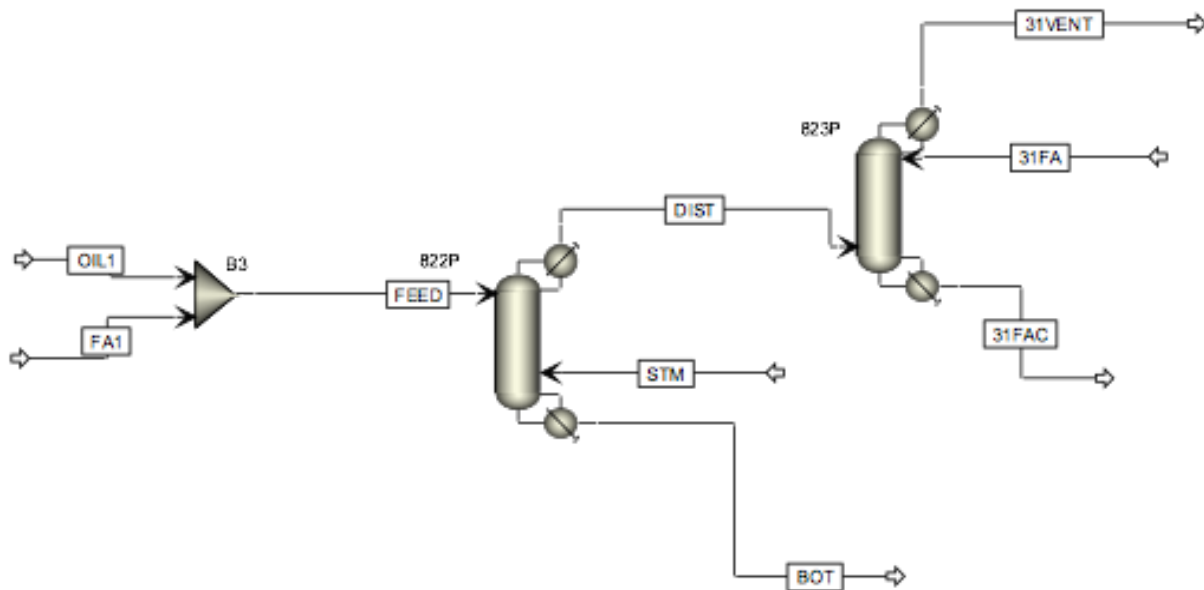


Description – Edible Oil Steam Stripping & Scrubbing Process Flow Diagram



Process Description

A mixture of oil, free fatty acids (FFA) and steam is fed to the first column which is a stripper column. FFA + steam is removed from first column as a distillate and we get oil as a bottom product. Top stream, containing FFA and steam is separated in second column called as a scrubber. During the separation the chilled FFA is poured into the column, which then trickles down through the packings and this FFA is collected at the bottom.

The typical feed condition is -

FFA	1.00 % (wt.)
Oil	99.00 % (wt.)
Steam	As per design

Design basis: Pyridine above 99% purity and Picoline above 99.5 % Purity.

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Operating Conditions

Operating Pressure: Both columns are operating under vacuum.

Column Internals: Structured packing for the column.

Experience

Finepac® Structures Pvt. Ltd. has supplied plenty of separating systems involving steam stripping & scrubbing.