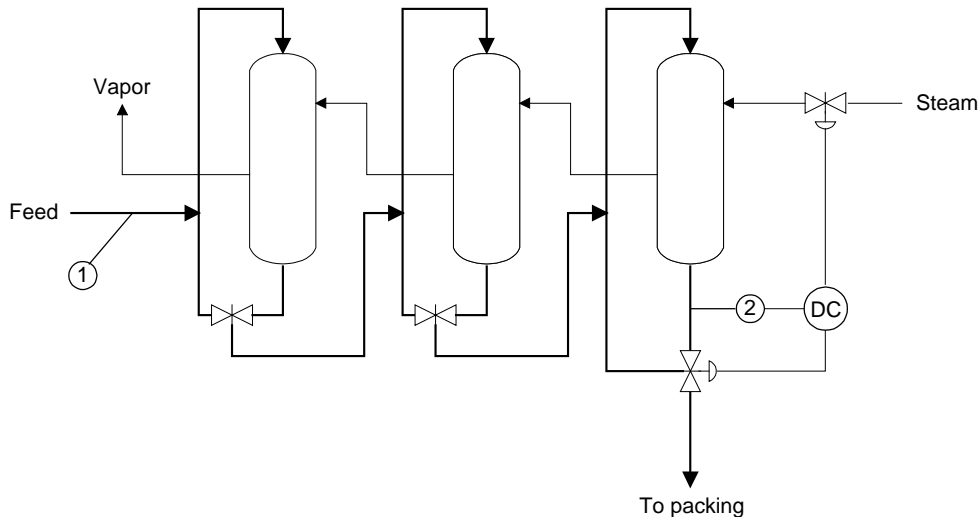


Glycerol

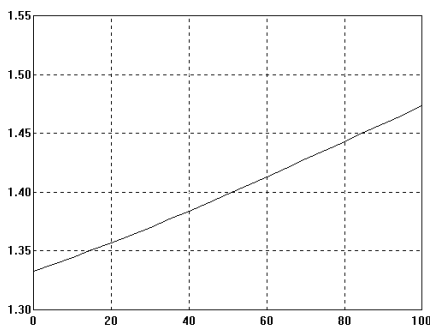


Positions where K-Patents PR-01-S is used:

- ① In feed
- ② Evaporation control

Glycerol (Glycerin)

Chemical curve: R.I. per Conc% b.w.



R.I. Ref. temp. 20°C

Glycerol (Glycerin) is a clear, nearly colourless, viscous liquid with a very sweet taste. It occurs (glycerides) in combination with various fatty acids in all animal and vegetable fats and oils. Commercially glycerin is obtained as a by-product in the manufacture of soap.

Application

Glycerin can be produced by a number of different methods and by various synthetic routes starting with propene. One proceeds via propenyl chloride, dichlorohydrin, epichlorohydrin to glycerin, another via propenyl alcohol. Some glycerin is also obtained by fermentation of sugars.

K-Patents Process Refractometer PR-01-S is used to measure glycerin concentration in evaporation. Typical measurement range is 0-20% glycerin and the process temperature about 50°C (122°F) before evaporation. After evaporation typical measurement range is 80-100% glycerin and the process temperature about 70°C (158°F).

Installation

Introduction