

Product Name :
Biodiesel Plant

Product Code :
TK154



Description :

Biodiesel Plant

Technical Specification :

Chemical transesterification of vegetable oils Two-stage, continuous process Two heated stirred tank reactors for chemical transesterification Two-phase separators for separating products and by-products Methanol recovery (distillation) to reduce the amount of methanol required Biodiesel washing (absorption) to extract impurities from the biodiesel Variation of process parameters to investigate the dependencies of biodiesel production PLC for controlling the plant Touch panel for operating the PLC Software for data acquisition via USB under Windows 8.1, 10 Technical Data: Stirred tank reactors: 2x 5L Storage tank (vegetable oil): 110L Storage tank (chemicals): 45L Product tank: 110L By-product tank: 45L Methanol tank: 6L Phase separator/biodiesel washer: 3x 15L Peristaltic pumps: max. 25L/h Measuring ranges: Temperature: 6x 0...100°C Pressure: 1x 0...6bar (abs.) Flow rate: 11x 0...30L/h Level: 3x 1...22cm 2x 1...29cm 230V, 50Hz, 1 phase 230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase Dimensions and weight: 1x L x W x H: 1900x790x1700mm 1x L x W x H: 2200x790x1700mm Weight: 560kg

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