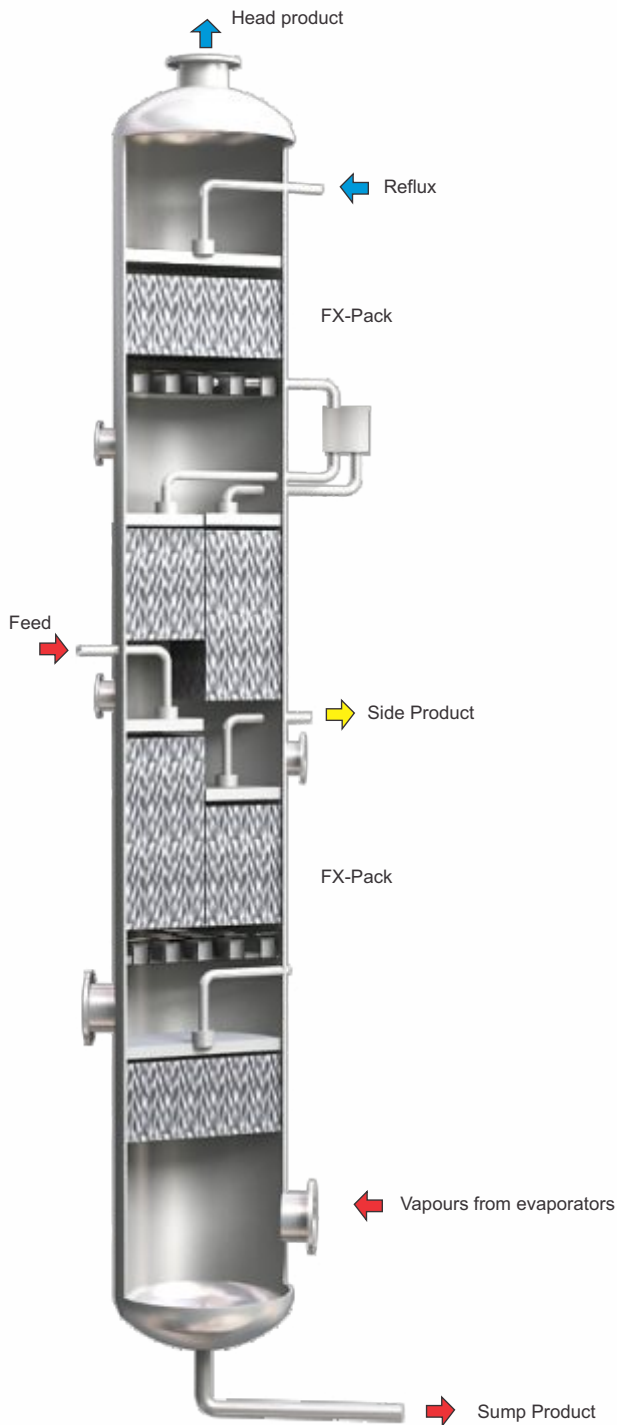


Divided Wall Column Technology



Dividing wall columns can be used wherever multicomponent mixtures have to be separated into pure fractions. They are particularly suited to obtain pure medium boiling fractions. The separation of a three-component mixture into its pure fractions in conventional systems requires a sequential system with at least two columns or main columns with side columns.

With a dividing wall column this task can be solved in only one apparatus.



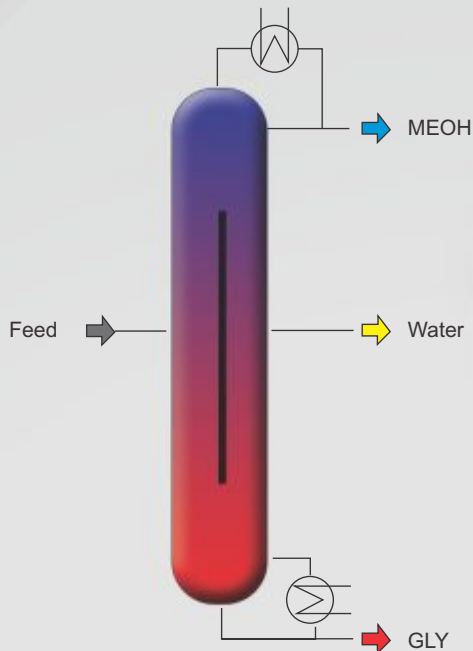
Divided wall columns from Fenix

- Reduce energy and investment costs
- Two columns are combined into one shell
- Three on spec products can be produced with one column
- The dividing wall creates a prefractionator on the feed side, which reduces the chance of pollution of the on spec middle product with the feed on the product side

DWC (GLY+MEOH+Water)

Comparison of two column systems for three pure products

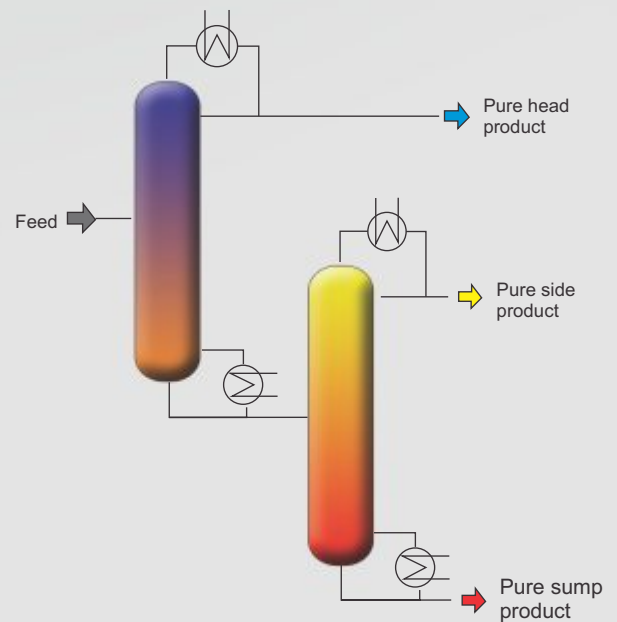
Divided Wall Column



Equipment needed

- One column
- One condenser
- One evaporator
- One reflux splitter

Conventional Column System



Equipment needed

- Two column
- Two condenser
- Two evaporator

Fenix offers

- Innovative systems for structured packing and separation trays
- Hydraulic designs for the complete column
- Design and manufacturing for optimal column internals
- Mechanical engineering for columns
- Process design, control and integration