

Questionnaire: Distillation Processes

To enable our engineers to work out a process-/plant proposal which will fit into your demands, please be so kind and complete the following list:

Company: Date:

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Contact: Phone: Fax:

- Should the plant be operated

- batchwise ?
- or
- continuously ?
- (also a combination would be possible!)

In case of batchwise operation:

Requested capacity (boiling flask size) ? l

Is a fraction collector (changer) required ?

If so, for how many cuts ?

- Which throughput is expected? l/h

- The plant should be operated at

- atmospheric pressure
- reduced pressure, which is in an approx. range of mbar

- What are the boiling point values at operation pressure ?

in the column head approx.°C

in the sump approx.°C

- Is the melting point of at least one process component above ambient temperature ?

- yes, at °C
- no

- Do you wish to have a particular column type ?

- plate column
- packing columns (for Raschig-/ wire-mesh rings, Wilson helices, etc.)
- packed columns (for structural packing, like „Sulzer“ etc.)

- Do you have information about the necessary

- nominal width ? Should be approx.mm
- number of theoretical stages ? Should have approx. NTP
- reflux-/ withdrawal ratio ? Should be approx. :

- Is an explosion-proof design of the plant necessary ?

- What about the mixture (weight%) of the crude material ?

- Which purity (weight%) should the distillate have ?

- Which purity (weight%) should the bottom product have ?

- Which substances should be distilled ?

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- Are admixtures existing with the crude ?

- salt
- acids
- solids

- Additional information about the separation process / crude mixture:

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- Additional requirements regarding the design of the desired plant:

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- maximum available height on-site: mm

- Requested heating source:

- electrical
- by steam
- via on-site supply, pressure: bar, temperature:°C
- by thermo oil
- via on-site supply, pressure: bar, temperature:°C
- delivery of a thermostatic bath requested

- Requested cooling source:

- tapwater
- via on-site cooling brine supply:°C
- feed line pressure: bar
- reverse line pressure: bar
- delivery of a cooling circulator requested

- Material in contact with the product:

- Reboiler: borosilicate glass 3.3
- stainless steel
- other, so as:
- Column, Condensor, etc.: borosilicate glass 3.3
- other, so as: