

Antwort an:

VTA Verfahrenstechnische Anlagen GmbH & Co. KG

Bernrieder Str. 10

D-94559 Niederwinkling

Fax: +49 (0) 9962-9598-200



Questionnaire for preliminary projection with reference to

Quotation for a Wiped Film or Short Path Distillation Glass Unit, dated:

Company:.....

Address:.....

Responsibility:

Tel. No. with extension:

Fax-No.:

Project title/Product:

1) General Data:

1.1) Do you have experience in distilling the product? no yes

If "yes", what kind of experience?

1.2) Have you already made preliminary tests on Wiped Film or Short Path Evaporators?

If "yes", which?

1.3) Which process was used up to now?

1.4) Is the substance foaming?

1.5) Is the product containing solids? no yes, particle size: μm

1.4) Additional important information:

2) Information to the projected unit:

2.1) Feed quantity: kg/hr or l/h

2.2) What is the temperature of the feed product in initial state? $^{\circ}\text{C}$

2.3) What is the melting point of the product in initial state? $^{\circ}\text{C}$

2.4) Product inlet heatable? no yes

2.5) Distillate outlet heatable? no yes

2.6) Residue outlet heatable? no yes

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2.7) Which components should be offered additionally (tick where applicable)?

| | | | |
|---------------|--|--|------------------------------------|
| - Feed | <input type="checkbox"/> metering cone (by droplets) | <input type="checkbox"/> metering pump (diaphragm) | <input type="checkbox"/> gear pump |
| - Discharge | <input type="checkbox"/> triple split distributor | <input type="checkbox"/> graduat. intermediate buffer vessel | <input type="checkbox"/> gear pump |
| - Evaporator | <input type="checkbox"/> short path | <input type="checkbox"/> thin film/wiped film | |
| - Vacuum pump | <input type="checkbox"/> rotary vane pump (up to $5 \cdot 10^{-2}$ mbar) | <input type="checkbox"/> oil diffusion pump (up to $1 \cdot 10^{-3}$ mbar) | |
| - Frame | <input type="checkbox"/> designed for laboratory bench (standard) | <input type="checkbox"/> movable | |
| - Thermostats | (quantity for cooling) | (quantity for heating) | |
| - Other | <input type="checkbox"/> | | |

3) Available electrical supply on-site:

Power grid: Quantity of phases:, loadable neutral wire: no yes

Voltage: V, Frequency: Hz

4) Operation of the glass unit:

4.1) Only for laboratory tests? no yes

4.2) Production of certain quantities? no yes

If „yes“, in which order of magnitude? (kg)

5) In which state is the project, when will it be realized?