UIC GmbH
Am Neuen Berg 4 • D-63755 Alzenau Hörstein
☎ +49(0)6023 / 950-0 • Fax +49(0)6023 / 950-250 • e-mail: info@uic-gmbh.de

Questionnaire – Short Path / Thin Film Distillation

All data provided by you will be treated strictly confidential.
Please enclose Material Safety Data Sheets of your product/s.

( ) We are interested in test distillations
⇨ Please answer points 1 to 3 as well as 6

( ) We ask you to submit a quotation
⇨ Please answer points 1 to 6

1. Enquirer

Company	Name
Department	Telephone
Address	Fax
P. O. Box	e-mail
Area Code / City	Homepage of your company: www.
Country	Date

2. Specification of the feed material

2.1 Composition (please indicate in the sequence of volatility)

Volatility	Name of component	No.	Chemical formula	Vapor pressure mbar @ T(°C)	Vapor pressure mbar @ T(°C)	Vapor pressure mbar @ T(°C)
light volatile		1				
		2				
		3				
		4				
		5				
heavy volatile		6				

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2.2 Properties of the feed material

Density (kg / m³)		Viscosity (mPas) @ T = 20 (°C)	
Melting point (°C)		Viscosity (mPas) @ T = (°C)	
Boiling point (°C) at atmospheric pressure		Viskosity (mPas) @ T = (°C)	
Specific heat (kJ / (kg x K))		Temperature class (Ex-proof)	
Color		Max. temperature load (°C) admissible for a few minutes	
Odor		Portion of solid particles (g / l)	
Miscellaneous		Max. particle diameter (µm)	

2.3 Remarks concerning the feed material (e.g. origin, pre-processing, special features …)

3. Target(s) of the distillation

3.1 Main target

The main target is to obtain a max. possible purity of component No.:

Max. admissible contents of the other components:

Component No.	Max. admissible concentration (%)	Remarks

Remarks:

3.2 First sub-target

The first sub-target is to obtain a max. possible purity of component No.:

Max. admissible content of the other components:

Component No.	Max. admissible concentration (%)	Remarks

Remarks:

3.3 Second sub-target

The second sub-target is to obtain a max. possible purity of component No.:

Max. admissible content of the other components:

Component No.	Max. admissible concentration (%)	Remarks

Remarks:

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4. Plant layout

4.1 Capacity

Intended quantity of feed material (kg / h):

( ) Continuous operation, ca. h / a h / day h / week
( ) Batch operation, average quantity per batch (kg):

4.2 Place of installation

( ) In a building ( ) Outdoor

Rainfall (m / a):

Ambient temperature (°C), min: max:

Ex-proof classification: Temperature class:

Danger of earthquakes:

Steel frame ( ) available ( ) not available

Space available: length (m):
width (m):
height (m):

4.3 Energies available:

( ) Steam p_1(bar):
p_2(bar):
p_3(bar):

( ) Thermal oil T (°C):
P (kW):

( ) Cooling water T (°C):
max. admissible delta T (°C):

( ) Brine T (°C):
max. admissible delta T (°C):

( ) Instrument air p (bar):

( ) Nitrogen (gas) p (bar):

Electrical connection (3-phase current) Voltage (V) /
Frequency: (cps)

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5. Desired scope of delivery

( ) Complete Package Unit

( ) „All under vacuum“
i.e. apparatus, cold traps, vacuum system, feed / discharge systems, vacuum and product pipes (heatable if required), necessary measuring devices (field instruments)

( ) Main devices only (degasser, evaporators, cold traps)

( ) Heating and cooling devices

( ) Vacuum system

( ) Feed / discharge systems

( ) Frame

( ) Electrical cabling

( ) Electrical cabinet with PLC and process visualization

6. Additional information concerning the distillation task

Remark of UIC GmbH:
Please note that our quotation based upon your a.m. information can only be a budget quotation. In order to work out a binding quotation, the battery limits of our scope of delivery have to be stipulated in detail.