

QUESTIONARY

LIQ.-LIQ.-EXTRACTION

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Carl-Zeiss-Str. 11, D-79331 Teningen



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Company: _____

Contact person: _____

Project: _____

Date: _____

Phone: _____

Fax: _____

Email: _____

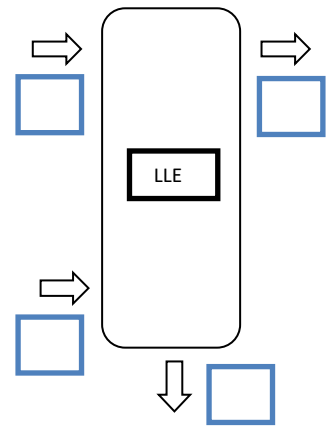
Process description:

1 Process data *1)

Composition [mass %]	Feed	Extract	Solvent	Raffinate
Solids in solution				
Solids suspended				
Capacity nom. (100%) [kg/h]				
min/max [%] =				
Temperature [°C]				
Pressure [mbar (a)]				
Density [kg/m³]				
Dyn. viscosity [mPa s]				
Interfacial tension [J/m²]				

Application	<input type="checkbox"/> industry	<input type="checkbox"/> pilot	<input type="checkbox"/> laboratory
Emulsifying tendency	<input type="checkbox"/> none	<input type="checkbox"/> slight	<input type="checkbox"/> strong
Dispersed phase	<input type="checkbox"/> feed	<input type="checkbox"/> solvent	
Equilibrium data	<input type="checkbox"/> none	<input type="checkbox"/> available	
Testing results	<input type="checkbox"/> none	<input type="checkbox"/> available	

Number of theoretically required stages:



Please sort the capitals into the boxes

F for Feed

E for Extract

S for Solvent

R for Raffinate

*1): In case you have got a detailed analysis, please attach them to your email.

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LIQ.-LIQ.-EXTRACTION**2 Apparatus data**

Column type	<input type="checkbox"/> Mixer-Settler-column	<input type="checkbox"/> Mixer-Settler-battery
	<input type="checkbox"/> agitated column	<input type="checkbox"/> Mixer-Settler-single stage
Column design	<input type="checkbox"/> monobloc (completely welded)	<input type="checkbox"/> flanged
Installation site	<input type="checkbox"/> indoor	<input type="checkbox"/> outdoor
	<input type="checkbox"/> self-supporting	available floor space (l x w x h) [m]:
Dimensions [mm]	column- \emptyset	decanter- \emptyset
	number of agitated chambers
Design data	design pressure	bar (g)
	design temperature	$^{\circ}$ C
Materials	jacket	internals
	gaskets:	bolts and nuts:
Design code	<input type="checkbox"/> AD-Merkblätter	<input type="checkbox"/> ASME
		<input type="checkbox"/> other:
Shaft seal	<input type="checkbox"/> stuffing box	<input type="checkbox"/> single mechanical seal
	<input type="checkbox"/> double mechanical seal	<input type="checkbox"/> other:
Drive unit	<input type="checkbox"/> Manufacturer:	<input type="checkbox"/> frequency controller
Electric data -phase	V
		Hz <input type="checkbox"/> neutral
Design according to	<input type="checkbox"/> ATEX:	safety-zone:
	<input type="checkbox"/> other	temp.-class:

3 Scope of Quotation

- | | | |
|---|--|---|
| <input type="checkbox"/> column + internals | <input type="checkbox"/> Mixer-Settler | <input type="checkbox"/> drive unit |
| <input type="checkbox"/> supporting structure | <input type="checkbox"/> erection | <input type="checkbox"/> basic / detail engineering |
| <input type="checkbox"/> turn-key installation | <input type="checkbox"/> installation only | <input type="checkbox"/> other: |
| <input type="checkbox"/> technical assistance for process design / installation / commissioning / | | |
| <input type="checkbox"/> more | | |

4 Annotations

Space for your annotations, wishes or questions:

Try to answer this questionnaire as precise as possible so that we can provide a suitable offer to you. In case you have any questions or problems, do not hesitate to contact us. We discuss you with pleasure!