

Questionnaire: Extraction 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:** _____

Contact: _____ **Phone:** _____

Email: _____

Type of Extraction Process

- Liquid/liquid
- Solid/liquid

Should the plant be operated:

- Batchwise**

Throughput: _____

Requested capacity (boiling flask size)? _____ l

Is a fraction collector (changer) required? Yes No

If yes, for how many cuts? _____

- Continuously**

Feed rate: _____

Process data:

Solvent throughput: _____

Feed throughput: _____

Process temperature: Ambient Other _____

Requested electrical voltage to be _____ volts AC _____ Hz _____ Phase

Substance data:

Feed: _____

Solvent: _____

Corrosive properties (Feed or Solvent): _____

Toxic properties (Feed or Solvent): _____

Type of Apparatus (if known) Solid/Liquid:

- Cold-extractor acc. to Soxhlet
- Hot-extractor acc. to Knöfler-Böhm
- Hot-extractor acc. to Twisselmann
- Micro-solid-liquid-extractor acc. to Blount
- Multi purpose extraction apparatus for solid/liquid and liquid/liquid extraction
- Extraction apparatus with thin film evaporator
- Others _____

Liquid/Liquid:

- Solvent is heavier than feed
- Feed is heavier than solvent
- Both
- Multi purpose extraction apparatus for solid/liquid and liquid/liquid extraction
- Mixer-Settler (number of stages) _____
 - With thermostatic jacket
 - Without thermostatic jacket
- Countercurrent extractor with sieve tray column
- Countercurrent extractor with packed columns
 - Packing type _____
- Countercurrent extractor with stirring element
- Countercurrent extractor with pulsing disc

Preferred construction material:

- Borosilicate glass 3.3
- Stainless steel
- Other, so as: _____

Other requirements (Surface roughness, FDA, etc.): _____

Is the design according to ATEX required? _____

If yes: Zone _____ Group _____ Temperature class _____

Maximum available height on-site: _____ mm