

Liquid-Liquid Extraction Specification Data Sheet

Name: _____ Date: _____
 Title: _____ Phone: _____
 Company: _____ Fax: _____
 Address: _____
 City, State, Zip: _____
 Country: _____ Email: _____
 Your Reference No.: _____ End User, Location: _____

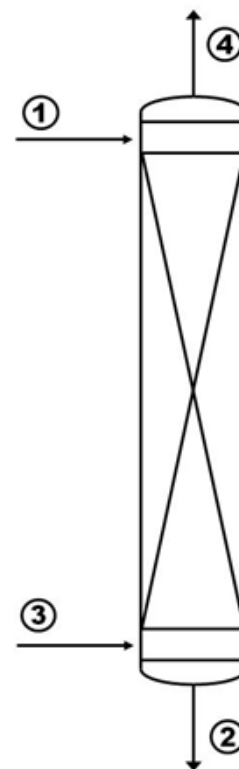
Quotation

Date Quotation Required: _____
 Date Equipment Required: _____ Firm Price _____ Budget Price _____

The following will assist in the design of an economical liquid-liquid extractor solution to your application. Please provide all known information in the spaces provided and/or attach any supporting documentation. Please email or fax to us for prompt response.

Stream Properties

Stream #	1	2	3	4
Fluid Name				
Throughput	m ³ /h			
Viscosity	kg/(m.s)			
Density	kg/m ³			
Pressure	bar abs			
Temperature	°C			
		Top	Bottom	
Interfacial surface tension	dyne/cm			
Dispersed phase		Light	Heavy	
Solute to be removed				
Solute concentration (mass %) in stream	1	2	3	4
Nozzles	1	2	3	4
Nozzle size	mm			



Other process conditions (if known)

Do you have previous experience with this application? Yes No

If yes, please attach any pertinent information or provide details below.

Is a particular type extractor preferred? Tray Packed Other
Agitated, KARR™ column, etc.²

Fouling Tendency High Low None

Are there any suspended solids present in feeds Yes No

If yes, concentration (mass %) Approximate size (micron)

Mechanical data

Are there any space limitations? Yes No **What are the allowable/
preferred materials of construction?**
Diameter limit (mm) Internals/Trays
Height limit (mm) Packing

Column I.D. (existing column)¹ mm **Special uplift requirements**
Column manway I.D. mm
Welding to shell permitted? Yes No
Vessel body flanges? Yes No
Corrosion allowance for internals mm
Design temperature °C

Internals only

Complete extraction column (shell and internals)²

Modular extraction system including column installed in a structural frame with all of the required tanks, heat exchangers, pumps, piping and instrumentation.²

(1) If vessel is existing, please provide a copy of the vessel drawing.

(2) For a scope of supply beyond internals, we will refer the inquiry to Koch Modular Process Systems.

Comments:

Please provide any additional information that will help with your design and describe any documents you will send. Include relevant drawings of existing equipment so that we may design a compatible solution.