

Questionnaire for Gas-Liquid Mixers

Company: _____

Contact: _____

Address: _____

Telephone: _____

Telefax: _____

eMail: _____

Your reference: _____

Date: _____

Description of application, sketch

Please enter data into table on reverse side



Sulzer India Ltd
Sulzer House
Baner Road, Aundh
Pune India 411 007
Telephone +91 020 3021 6300
Telefax +91 020 3021 6306

Please turn over

Data for engineering

Komponente	Unit	Gas Inlet	Liquid Inlet	Gas Outlet	Liquid Outlet
Name / chemical identification ¹⁾					
Composition ¹⁾					
Molekular weight					
Fluidum class					
Concentration ¹⁾					
Flow rate	Minimum				
	Norm				
	Maximum				
Temperature					
Pressure					
Viscosity at operating conditions					
Density at operating conditions					

For suspensions / Dust / Solids, indicate particle size, -form and - proportion: _____

¹⁾ for soluble gas (underlined) and insoluble gas

Soluble gas vs: _____
 Liquid _____
 Required % of absorption = _____
 Required final concentration of the soluble gas in the liquid: _____
 Interfacial tension = _____
 Solubility = _____
 Henry constant = _____
 Diffusion coefficient = _____
 Equilibrium concentration = _____
 Required bubble size = _____

Gas-Liquid with mass transfer Gas-Liquid without mass transfer

Flow pattern: Uniform Pulsating with pulsation factor = _____

Maximum allowed pressure drop = _____

Planned installation: Horizontal Vertical, whereas Flow up
 Maximum installation length: _____ Flow down

Planned pipe diameter = _____ Other pipe diameter possible ? Yes No

Material of construction:
 Mixing elements: V4A $\hat{=}$ AISI 316 Polypropylene _____
 Mixer pipe: V4A $\hat{=}$ AISI 316 Polypropylene Carbon steel

Design:
 Mixing elements: Non removable Removable
 Mixer pipe: With weld ends With flanges
 With dosing pipe NPS _____
 Flange type: DIN 2633 PN16 _____
 ANSI B 16.5 150 lbs

Inner pipe: _____ Design pressure = _____ Design temperature = _____
 PED: Category / module _____ ATEX: Ex-zone / Gas group: _____