

QUESTIONNAIRE FOR STATIC MIXER

Component	1	2	3	Mixture
Name				
Gaseous/liquid/solid*				
	Minimum			
Flow rate	Normal			
	Maximum			
Viscosity at operating conditions				
Density at operating conditions **				

* For suspension/dust/solids : indicate particle size

** For solids : indicate bulk density

Are the components soluble insoluble in each other ?
 Soluble components : Desired homogeneity as standard deviation in relation to the mean value $\sigma / \bar{x} =$ _____

Insoluble components : Interfacial tension = _____
 Desired droplet /bubble size = _____

Operating conditions : Pressure = _____ Temperature = _____

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 = _____ mm Other diameter possible? Yes No

Material of construction:
 Mixing elements : SS-304 / SS-316 Polypropylene PVDF

Mixer pipe : SS-304 / SS-316 Polypropylene Carbon steel/PTFE
 Carbon steel _____

Design:
 Mixing elements: Non removable Removable
 Mixer pipe: With weld ends With flanges
 With dosing pipe _____ mm With jacket
 Pipe schedule _____

Flanges: DIN Standard Weld neck flanges
 ANSI B 16.5 Standard Slip on flanges
 Loose flanges

Flange Rating _____

Inner pipe : Design pressure = _____ Design temperature = _____
 Jacket : Design pressure = _____ Design temperature = _____

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