

Decanter Centrifuge Questionnaire

Enquire No.	<input type="text"/>		
Company Name	<input type="text"/>		
Address	<input type="text"/>		
Phone / Fax No.	<input type="text"/>	E-mail	<input type="text"/>
Contact Person	<input type="text"/>	Title	<input type="text"/>

Feed Characteristic

Material to be processed	Common Name	<input type="text"/>		
	Technical Name	<input type="text"/>		
	Trade Name	<input type="text"/>		
	Chemical formula	<input type="text"/>		

Liquid Phase Properties	Name	<input type="text"/>		
	Specific Gravity	<input type="text"/>	at	<input type="text"/> °C
	Viscosity	<input type="text"/>	at	<input type="text"/> °C

Solid Phase Properties	Name	<input type="text"/>		
	Specific Gravity	<input type="text"/>	at	<input type="text"/> °C

Particle Size Distribution	Size in Micron	% Cumulative UnderSize
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
Mean Size	<input type="text"/> μ	
Particle Size Distribution	% W/W insoluble	% W/V insoluble
	<input type="text"/>	<input type="text"/>

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Corrosive Condition Yes No detail

Slurry Flammability Yes No Vapor Pressure at Operation Temperature bar
Liquid Flash Point °C
Auto Ignition Temperature °C

Variation in Feed Slurry % W/W max insoluble
% W/W min insoluble

Handling Rate of phases Liquid rate m³/h
Solid rate Kg/h

Type of Duty Continuous Intermittent

Slurry Feed Temperature °C

Solids are abrasive Yes No

Solids are shiny in nature Yes No

Solids need to be washed Yes No

If Yes Name of rinse liquid

Purity of cake solids after rinse

% Purity of cake solids on dry basis

% Solubles acceptable in cake solids on dry basis

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Machine Requirement

Material of Contact Parts	<input type="checkbox"/> S.S. 304	<input type="checkbox"/> S.S. 304 L	<input type="checkbox"/> S.S. 316
	<input type="checkbox"/> S.S. 316 L	<input type="checkbox"/> S.S. 316 Ti	<input type="checkbox"/> S.S. 317
	<input type="checkbox"/> Duplex Stainless Steel		
	<input type="checkbox"/> Other	<input type="text"/>	
Power	<input type="text"/> Volts	<input type="text"/> Hz	<input type="text"/> Phase
Motor Enclosure	<input type="checkbox"/> Drip Proof	<input type="checkbox"/> Flame Proof	<input type="checkbox"/> Totally Enclosed
Motor Characteristic	<input type="checkbox"/> IP 55	<input type="checkbox"/> IP 54	
	Temperature rating	<input type="text"/>	
	Insulation Class	<input type="checkbox"/> Class B	<input type="checkbox"/> Class F
		<input type="checkbox"/> Others	<input type="text"/>
Inspection Authority by	<input type="checkbox"/> Customer	<input type="checkbox"/> 3rd party inspection	<input type="checkbox"/> Waived inspection

Product Requirement

Max. insoluble solid in discharge liquid	<input type="text"/>	% insoluble
Max. liquid accepted in cake solids	<input type="text"/>	% volatile
Average Feed rate	<input type="text"/>	m ³ /h
Max. Feed rate	<input type="text"/>	m ³ /h

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Effluent treatment application/ Wastewater treatment

Type of Effluent Municipal Industrial Effluent

Component of feed to treatment plant

Nature of sludge Primary Secondary Co- Settled

Mixed Other

Is the Sludge digested? Yes No

If Yes Anaerobic Aerobic

Other

Detailed Information of Wastewater Treatment

Influent to Plant BOD mg/L COD mg/L

Insoluble mg/L

Feed to Primary Clarifier Insoluble mg/L

Underflow of Primary Clarifier Insoluble %W/W %W/V

Feed to Secondary Clarifier Insoluble mg/L

Underflow of Secondary Clarifier Insoluble %W/W %W/V

Feed to insoluble thickener Insoluble %W/W %W/V

Underflow of thickener Insoluble %W/W %W/V

Sludge need chemical treatment? Yes No

If Yes Chemical Added

Point of Addition

Rate of Addition Kg/h L/h