



# Galaxy Industrial Equipments Pvt. Ltd.

3A/7, Sector 10, PCNTDA, MIDC, Bhosari, Behind Rich's Quality Ice-Cream, Pune-26 M: +91 99231 33933  
E-mail: sales@galaxyprocess.in / galaxyprosyst@gmail.com Web: www.galaxyprocess.in

## APPLICATION DATA SHEET FOR SELECTION OF AGITATORS

Company :  
Address :  
Contact No. :  
Email Address :

<b><u>CAPACITY OF TANK:</u></b>			
Total:		Operating	
Pressure in Tank		Jacket / Coil	
Temperature Max.		Temperature: Min.	

### **TYPE PREFERENCE:**

- Portable
- Top Entering
- Side Entering
- Continuous Duty
- Bottom Entering
- Others (specify)

### **(I) TANK DETAILS:**

Location - Outdoor

- Vertical
- Horizontal
- Cylindrical
- Square
- Open Top
- Closed Top
- Stuffing Box
- Mechanical Seal
- Simple Vapour Seal

Diameter -

Straight Height -

Top Type/Height -

Bottom Type/Height -

Maximum size of opening on tank -

Head Room available -

Mounting Flange Details -

Supports for Mixer mounting on tank independent or on tank.

Is baffling allowable? Yes / No

Internal coils – Details – Refer attached drawing

### **SPACE FOR FIGURE-TANK**



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## (II) PROCESS DETAILS:

### MIXER REQUIRED FOR:

- Blending
- Dissolving
- Solid Suspension
- Gas Dispersion
- Heat Transfer

Other Describe:

### REACTANTS:

#### (A) Liquids:

	Component	% by wt.	Sp. Gr.	Viscosity-1 Cp	Temp-1 °C	Viscosity-2 Cp	Temp-2 °C
1.							
2.							
3.							

(Show Viscosity at the different temperatures if possible)

#### (B) Solids:

	Component	% by wt	Density	Particle Size	Settling Rate	Whether soluble
1.						
2.						
3.						

Are these solids-

- Abrasive
- Hard
- Mushy
- Sticky
- Glycy
- Stringy
- Fibrous
- Flocculant
- Uniform Size
- Varying

Does Material Foam :

Do Solids wet easily:

Do Solids float :

#### (C) Gas:

	Name	Sparging Rate Kg/m <sup>3</sup>	At Pressure Kg/M <sup>3</sup> & Temp °C	Density at°C Temp
1.				
2.				

#### (D) Final Mix Properties:



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**ACCEPTABLE MATERIAL OF CONSTRUCTION FOR AGITATOR:**

- |   |   |                                       |   |
|---|---|---------------------------------------|---|
| <input type="checkbox"/> Cast Iron      | <input type="checkbox"/> Stainless Steel Type | <input type="checkbox"/> Steel        | <input type="checkbox"/> Monel                |
| <input type="checkbox"/> Rubber covered | <input type="checkbox"/> Glassed              | <input type="checkbox"/> Fluro Carbon | <input type="checkbox"/> Composite Structural |

**(III) ELECTRICAL SUPPLY:**

- |                 |                                     |                               |                              |
|-----------------|-------------------------------------|-------------------------------|------------------------------|
| Motor Enclosure | <input type="checkbox"/> Drip-Proof | <input type="checkbox"/> TEFC | <input type="checkbox"/> FLP |
|-----------------|-------------------------------------|-------------------------------|------------------------------|

**(IV) ADDITIONAL INFORMATION:**

- (i) Process giving quantity of materials added in tank with levels  
in sequence (Please attach separate sheet)
- (ii) Heat Transfer Co-efficient '  $h_i$  \_\_\_\_\_  $h_o$  \_\_\_\_\_  $U$  \_\_\_\_\_