



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 REACTORS & AGITATORS

Company : Pidilite
Address : MUMBAI
Contact No. :
Email Address:

Design Conditions	Shell Side	Jacket/Limpet Side
Design Code		
Fluid		
Total Volume, KL		
Operating Volume, KL		
Type of Top/Bottom		
Working Pressure		
Design Pressure		
Test Pressure		
Working Temperature		
Design Temperature		
Corrosion allowance		
Joint Efficiency		
Radiography		
No of Nozzles required		
No Manhole required		
MOC		

TYPE PREFERENCE:

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

SPACE FOR FIGURE-TANK

(I) TANK DETAILS:

Location - Outdoor

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



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- Maximum size of opening on tank -
- Head Room available -
- Mounting Flange Details -
- Supports for Mixer mounting **on tank.**
- Is baffling allowable?
- Internal coils

(II) PROCESS DETAILS:

MIXER REQUIRED FOR:

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

Other Describe:

DEGREE OF AGITATION REQUIRED

- Mild
- Medium
- Violent**
- Blend Time in case of Blending
- Uniform Suspension of Solids
- Only Off-Bottom Suspension of Solids

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 **NO** :

Do Solids wet easily: **NO**

Do Solids float : **NO**

(C) Gas:

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

(D) Final Mix Properties:



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ACCEPTABLE MATERIAL OF CONSTRUCTION FOR AGITATOR:

- Cast Iron **Stainless Steel Type** Steel Monel
 Rubber covered Glassed Fluro Carbon Composite Structural

(III) ELECTRICAL SUPPLY:

Motor Enclosure Drip-Proof **TEFC**

**Explosion-proof
enclosures (EXPL)**

(IV) ADDITIONAL INFORMATION:

(i) Process giving quantity of materials added in tank with levels
in sequence (Please attach separate sheet)

- 1- SOLVENTS 2 %
- 2- RESINS (7000 CPS VISCOSITY) 28 %
- 3- MINERAL CHARGES - 61 %
- 4- SOLVENTS 8%
- 5- ADDITIVES 1%

(ii) Heat Transfer Co-efficient ' hi _____ ho _____ U _____