

MIXING APPLICATION DATA SHEET



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Please fill this form out as completely as possible with the information you have available to help us recommend the most economical mixer for your application. Include any data that clearly defines your requirements, such as previous mixing results, special properties, sketches, examples, etc.

CLIENT CONTACT INFORMATION

Name:

Project Reference:

Title:

Phone:

Company:

Email:

TANK INFORMATION

Enter the appropriate tank dimensions in the corresponding area below, or enclose tank drawings. Describe other internals such as heating coils. Indicate locations and clearances.

Tank Type:

- Vertical Cylinder
- Horizontal Cylinder
- Rectangular

- Open
- Closed (Sealed)

- Conical Top: "
- Conical Bottom: "
- Dish Top: "
- Dish Bottom: "

Entry Type:

- Top Entry
- Side Entry
- ANSI Flange: "
- Open Face Vessel
- Other:

- Internal Baffles:
- Yes No

Tank Dimensions:

- Inches millimeters

Height (H):

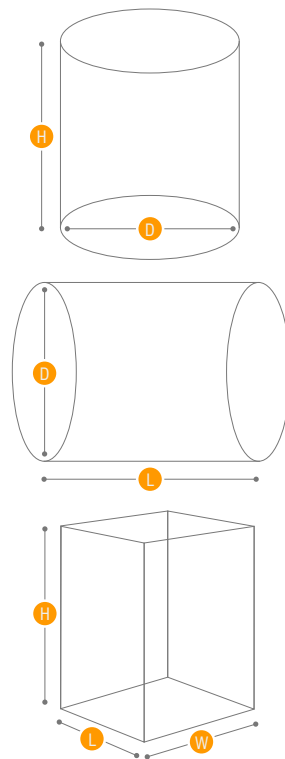
Width (W):

Length (L):

Diameter (D):

Mounting Height:

Tank Volume: gal.



Totes & Drums

Plastic Tote:

- 6" Opening Other:
- 275 gallon 330 gallon

Stainless Steel Tote:

- (Drum Lid)
- 350 gallon 550 gallon

55 Gallon Drum

- Open Closed

MOTOR SPECIFICATIONS

Powered by: Electric* Air / Pneumatic

* If selecting an electric motor, fill out the rest of this section:

Voltage:

- 110V / 220V
- 230V / 460V
- 380V
- 575V
- Other:

Cycles:

- 60Hz(US)
- 50Hz (intl.)

Phase:

- Single Phase
- Three Phase

Key Attributes:

- Explosion Proof
- Washdown Duty
- Inverter Duty
- Stainless Steel
- TENV TEFC

SHAFT SEAL OPTIONS

Seal Required?: Yes* No

* If selecting yes, fill out the rest of this section:

Preferred Style:

- Lipseal (Standard)
- Stuffing Box
- Mechanical
- Other:

Pressure?
 psi

Vacuum?
 psi

Seal Lubricant

SPECIAL REQUIREMENTS

Use this space to describe any additional considerations for the tank and mixer configuration:

PROCESS DETAILS

Is there a mixer in the process at present? Yes No

Are the current results Satisfactory? Yes No*

* If not, describe why:

Batch Size gal.

Impeller Type

Mixer Power HP

Impeller Dia. inches

Shaft Speed RPM

Mixer Operation

Describe what the mixer should do and how the results are measured:

Operation Is:

Batch at:
 minutes

Continuous at:
 gpm

Operating Volume:

Normal gal.

Minimum gal.

Maximum gal.

Wetted Parts:

Mild Steel

304 Stainless Steel

316 Stainless Steel

Other:

Temperature:

Minimum °F

Maximum °F

Pressure:

Minimum psig.

Maximum psig.

PROCESS CONSIDERATIONS

Check all appropriate boxes and add descriptions if required. Provide component names when possible.

Liquids Only

Process Goal:

- Blend Miscible Liquids
- Hold/Prevent Stratification of Existing Mixture
- Contact Immiscible Liquids
- Heat Transfer
- Chemical Reaction
- Other:

Liquids & Solids

Process Goal:

- Suspend Solids Adequately to Prevent Buildup
- Suspend Solids Entirely Off Bottom
- Suspend Solids Uniformly
- Washing or Leaching
- Dissolve Solids
- Other:

Liquids	#1	#2	#3
Name	<input type="text"/>	<input type="text"/>	<input type="text"/>
Weight %	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sp. Gr.	<input type="text"/>	<input type="text"/>	<input type="text"/>
Viscosity	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Data	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Data	<input type="text"/>	<input type="text"/>	<input type="text"/>

Solids	#1	#2
Name	<input type="text"/>	<input type="text"/>
Weight %	<input type="text"/>	<input type="text"/>
Sp. Gr.	<input type="text"/>	<input type="text"/>
Settling Rate (ft/min)	<input type="text"/>	<input type="text"/>
Particle Size	<input type="text"/>	<input type="text"/>

Final Mixture

Sp. Gr.

Viscosity

Description

Solids Added:

Wet Dry

Foaming Tendency?

Solids Type:

Insoluble

Soluble

Fluffy

Sticky/Gummy

Abrasive

Thank you for your interest in Dynamix Agitators. Please email the completed data sheet to distribution@dynamixinc.com and one of our Sales Engineers will contact you directly to provide a quotation.