

MIXING APPLICATION DATA SHEET



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:

Title:

Company:

Project Reference:

Phone:

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.

Drawing Attached

Tank Type:

- Vertical Cylinder
 Horizontal Cylinder
 Rectangular

- Open
 Closed (Sealed)

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

Tank Dimensions:

- Inches Millimeters

Height (H):

Width (W):

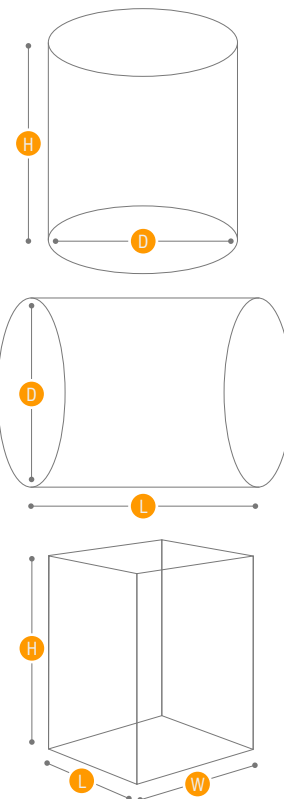
Length (L):

Diameter (D):

Mounting Height:

Tank Volume: gal

- Internal Baffles:
 Yes No



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

Batch Size gal
Mixer Power HP
Shaft Speed RPM

Impeller Type
Impeller Dia. "

Are the current results Satisfactory? Yes No*

* If not, describe why:

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
 Dispersion
 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"/>
SG	<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"/>
SG	<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

SG	<input type="text"/>
Viscosity	<input type="text"/>
Description	<input type="text"/>

Solids Added:

Wet Dry

Foaming Tendency?

Solids Type:

Insoluble

Soluble

Fluffy

Sticky/Gummy

Abrasive