MIXING APPLICATION DATA SHEET

DYNAMIX AGITATORS

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.

☐ **Drawing Attached**

Entry Type:
- ☐ Top Entry
- ☐ Side Entry

Mounting Type:
- ☐ Clamp
- ☐ Plate
- ☐ Angle Plate
- ☐ Flange, ANSI: _____ ”
- ☐ Other: _____

Tank Type:
- ☐ Vertical Cylinder
- ☐ Horizontal Cylinder
- ☐ Rectagular

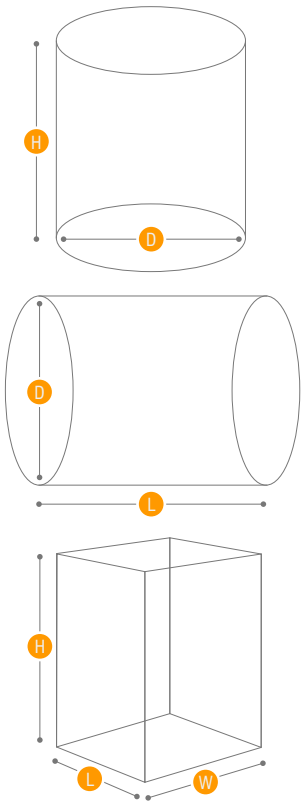
- ☐ Open
- ☐ Closed (Sealed)

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

Are the current results Satisfactory? ☐ Yes ☐ No*

If not, describe why:

Batch Size ____ gal
Mixer Power ____ HP
Shaft Speed ____ RPM

Impeller Type ____
Impeller Dia. ____ ”

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 Imiscible Liquids
☐ Heat Transfer
☐ Chemical Reaction
☐ Other: ____

Liquids	#1	#2	#3
Name			
Weight %			
SG			
Viscosity			
Other Data			
Other Data			

Final Mixture

SG	
Viscosity	
Description	

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: ____

Solids	#1	#2
Name		
Weight %		
SG		
Settling Rate (ft/min)		
Particle Size		

Solids Added:

☐ Wet ☐ Dry

Foaming Tendency?

Solids Type:

☐ Insoluble
☐ Soluble
☐ Fluffy
☐ Sticky/Gummy
☐ Abrasive

Please email the completed data sheet to your Dynamix Representative. You may be contacted directly for more details.