Industrial Tank Agitator Data Sheet

(Top-Entry Agitators)

ProMixUSA

First Name		Last Name	
Title		Company	
Phone		Email	

Complete the form below to help us determine the tank agitator requirements to meet your application / process needs.

A. VESSEL / TANK CHARACTERISTICS

Tank Geometry
- Cylinder
- Rectangular
- Vertical
- Horizontal

Top Head
- Open
- Flat
- Std. F&D
- ASME F&D
- Cone
- Other

Bottom Head
- Flat
- Sloped
- Std. F&D
- ASME F&D
- Cone
- Other

Tank Age
- New
- Existing

If existing, can it be modified? Y N

Steady bearing allowed? Y N

Manway Size

Restrictions

Space *Headroom*

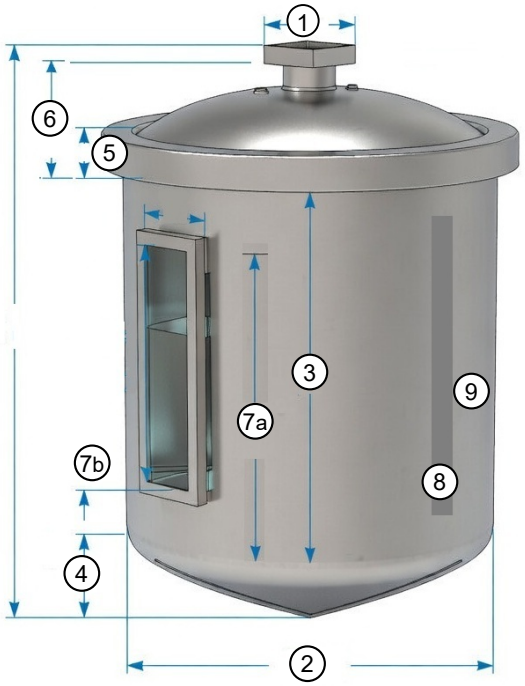
Tank Dimensions

Provide separate drawing if your configuration differs from shown.

Units of Measure mm in

ASME Flange (if applicable):

1. Nozzle Size (if used)
2. Diameter
3. Length
4. Bottom Depth (if applicable)
5. Beam Height
6. Height from Top Tangent Line to Flange Face
7. Working Level max min
8. Baffle Width
9. Baffle Offset from Wall



B. CONSTRUCTION MATERIALS

Tank Mixer Wetted Parts

Steady Bearing Bushing Material

C. ENVIRONMENTAL

Design Pressure (psig) Temp (°F)

D. SHAFT SEAL TYPE

Required
Preferred

- Vapor
- Stuffing Box
- Single Mechanical
- Double Mechanical
- ProQuip Recommend

Seal Lubricant

E. MOTOR CHARACTERISTICS

Volts/ Phase Hz

Enclosure

Special insulation requirements

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F. OPERATING CHARACTERSTICS

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

Operations Type

Batch with		min mixing time			
Continuous at		gpm flow rate			
Operating Volume		gals		min gals	max gals
Mixer Should be Selected for	operating volume		maximum volume		
Operating Temp (°F)		min		max	
Operating Pressure (psig)		min		max	

G. PROCESS CONSIDERATIONS *(Check all appropriate boxes)*

Liquids Only

- Blend miscible liquids
- Hold/prevent stratification of existing structure
- Contact immiscible liquids
- Emulsification
- Heat transfer
- Chemical reaction

Liquids and Solids

- Suspend solids adequately to prevent buildup
- Suspend solids entirety off bottom
- Suspend solids uniformity
- Dissolving
- Washing or leaching

Liquids and Gas

- Gas dispersion
- Gas absorption
- Stripping

Liquids

	A	B	C	D
Name				
Weight %				
Specific Gravity				
Viscosity (cps)				
Other Data				
Other Data				

Solids

Name	
Weight %	
Specific Gravity	
Settling Rate (ft/min)	
Particle Size Range	

Solids Added: Wet Dry

Solid Types: Soluble Insoluble Fluffy Sticky/Gummy Abrasive

Gas

Name

Flow Rate (cfm)

Pressure (psig)

Temperature (°F)

Foaming Tendency

Final Mixture

Specific Gravity

Viscosity

Other Details

If this a current process, describe the installation including batch dimensions, power and impeller size/speed/type/ location.

If the process isn't performing satisfactorily, describe likely the causes?

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G. NOTES / ADDITIONAL INFORMATION

Impellers