

Customer Information

Contact Name: _____
Company: _____
Address: _____
City, State, Zip: _____
Phone: _____
E-mail: _____

Commercial Considerations

For Bid Only:

When is the quote due? _____ Preliminary
What is the expected order placement date? _____ 60% Spec.
What is the expected delivery? _____ 90% Spec.

Process Details

Describe your expected mixer results and how they are measured:

Describe each step of the process:

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____

Top Entry Mixer Application Data Sheet

Process Details

Operation is:

Batch _____ mixing time (minutes) _____ Daily Starts & Stops _____

Continuous _____ flow rate (gpm) _____

Average Maximum Minimum

Volume (gals): _____ Operating during fill or drain? _____

Temperature (°F): _____ Yes

Pressure (psig): _____ No

Check any or all that apply:

Liquids Only Liquids and Solids Liquids and Gas

- | | | |
|---|---|---|
| <input type="checkbox"/> Blend miscible liquids | <input type="checkbox"/> Suspend solids adequately to prevent buildup | <input type="checkbox"/> Gas dispersion |
| <input type="checkbox"/> Hold or prevent stratification of existing mixture | <input type="checkbox"/> Suspend solids entirely off bottom | <input type="checkbox"/> Striping |
| <input type="checkbox"/> Contact immiscible liquids | <input type="checkbox"/> Suspend solids moderately | |
| <input type="checkbox"/> Emulsification | <input type="checkbox"/> Suspend solids uniformly | |
| <input type="checkbox"/> Heat transfer | <input type="checkbox"/> Dissolving | |
| <input type="checkbox"/> Chemical reaction | <input type="checkbox"/> Washing or leaching | |

Fluid: Newtonian Non-Newtonian

Name	Weight %	Sp. Gravity	Viscosity	Other Data
------	----------	-------------	-----------	------------

Liquids:

Name	Weight %	Sp. Gravity	Settling Rate	Particle Size Range	Other
------	----------	-------------	---------------	---------------------	-------

Solids:

Added: wet dry Solid Desc. insoluble soluble fluffy sticky or gummy abrasive

Name	Flow Rate (cfm)	Pressure (psig)	Temp (°F)	Foaming (Y/N)	Other
------	-----------------	-----------------	-----------	---------------	-------

Gas:

Sp. Gravity	Viscosity
-------------	-----------

Final Mixture: _____

Other Description: _____

Is the process currently performed? Yes No

Describe, including batch sizes power and impeller size/speed/type/location:

Is the current performance satisfactory? Yes No

If not, describe why:

Top Entry Mixer Application Data Sheet

Tank Details

Tank is: New Existing

(Select only which apply)

Can tank drawings be provided? Yes No

ASME Top Flange: _____ inches _____ lbs. Dimensions: inches
 mm

Tank Type:

Cylindrical
 Rectangular

Length _____
 Width _____
 Height _____

Top Head:

Open
 Flat
 2:1 Elliptical
 ASME Dish
 Spherical
 Conical
 Angle _____

Bottom Head:

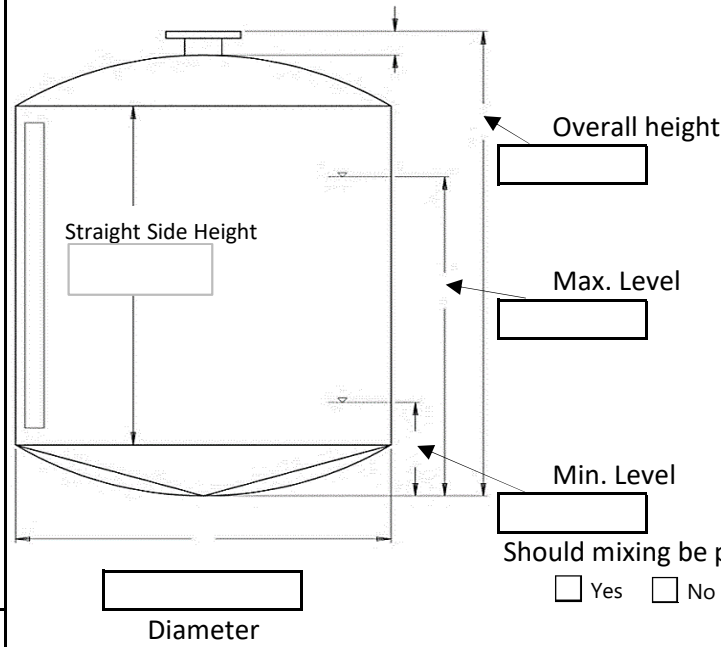
Flat
 2:1 Elliptical
 ASME Dish
 Spherical angle: _____
 Conical
 Sloped

Please draw any special tank considerations below:

(Show dimensions, other internals, locations and clearances.)

Will Tank Drawings be attached? Yes No

Are Baffles required? Yes No PMSL to recommend



Headroom Requirements?

Space Restrictions?

Available Manway Sizes:

Steady Bearing Allowed?

Yes
 No

Should mixing be provided for low liquid level?

Yes No

Materials of Construction:

Tank: _____

Wetted Parts: _____

Steady Bearing: _____

Certifications Required: _____

Design Pressure: _____ psig Design Temperature: _____ °F

Type of Shaft Seal: Required Preferred Seal Lubricant: _____
 Vapor Stuffing Box Single Mechanical Double Mechanical

Motor Characteristics

_____ Volts _____ Phase _____ Hz Explosion Proof: Yes No

Class: _____ Group: _____ Division: _____ Temp. code _____

Special insulation or requirements: _____

Other: _____

Top Entry Mixer Application Data Sheet

Please indicate any special notes or considerations not expressed previously:



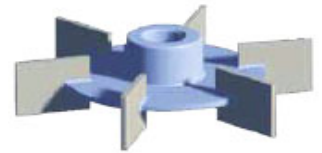
Curved Blade Turbine



Flat Blade Turbine



Smith Impeller



Rushton Impeller



Pitched Blade Turbine



Low-Solidity



Modified Solidity Hydrofoil



XELSC-2200



Counterflow



Gas Dispersion