

Mixer Application Data Sheet



Equipment No.: _____
 NAME _____
 COMPANY _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____

Date: _____
 TITLE _____
 PHONE _____
 FAX _____
 EMAIL _____

Send completed worksheets to:
OEC Fluid Handling Inc.
 P. O. Box 2807
 Spartanburg, SC 29304
Fax: 1-864-573-9299
Email: sales@oecfh.com

TANK TYPE

- Cylindrical
- Rectangular
- Vertical
- Horizontal

Tank: New Existing

If existing, can it be modified as required such as the addition of baffles, changes to mixer supports, etc.?
 Yes No

TOP HEAD

- Open
- Flat
- Std. F&D
- ASME F&D
- Cone
- Other: _____

Steady Bearing allowed?

- Yes No

Manway Size: _____

Space restrictions: _____

BOTTOM HEAD

- Flat
- Sloped: _____
- Std. F&D
- ASME F&D
- Cone
- Other: _____

Headroom Requirements:

CONSTRUCTION MATERIALS

Tank: _____

Mixer: _____

Steady Bearing Bushing Material: _____

Design Pressure: ____ PSIG Design Temp: ____ °F

Type of Shaft Seal:

- Required Vapor
- Preferred Stuffing Box
- Single Mechanical Double Mechanical
- Request **OEC Fluid Handling** to recommend

Seal Lubricant: _____

MOTOR CHARACTERISTICS

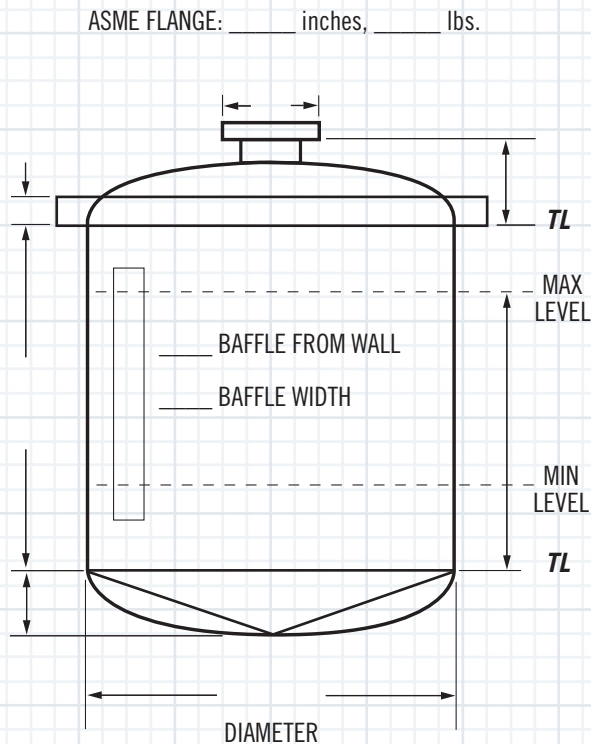
_____ Volts/ _____ Phase/ _____ Hz

Enclosure: _____

Special insulation or requirements: _____

Other: _____

Specify dimensions on diagram below or furnish tank drawings. Describe other internals such as heating coils and indicate the approximate locations and clearances.



DIMENSIONS: inches

(check one) mm

Mixer Application Data Sheet



Equipment No.: _____ Name: _____

Additional details: _____

Send completed worksheets to:

OEC Fluid Handling Inc.
P. O. Box 2807
Spartanburg, SC 29304

Fax: 1-864-573-9299

Email: sales@oecfh.com

PROCESS CONSIDERATIONS

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

LIQUIDS ONLY

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

LIQUIDS	No. 1	No. 2	No. 3	No. 4
Name				
Weight %				
Sp. Gr.				
Viscosity				
Other Data				
Other Data				

LIQUIDS and SOLIDS

- Suspend solids adequately to prevent buildup
- Suspend solids entirely off bottom
- Suspend solids uniformly
- Dissolving
- Washing or leaching

SOLIDS Name: _____

Weight %: _____

Sp. Gr.: _____

Settling Rate: _____ ft./min

Particle size range: _____

- Solids added: Wet Dry
- Insoluble Soluble Fluffy
 - Abrasive Sticky or gummy

LIQUIDS and GAS

- Gas dispersion Gas absorption Stripping

GAS Name: _____

Flow rate: _____ cfm

measured at: _____ psig, and _____ °F

FOAMING TENDENCY? _____

PROCESS DETAILS

Describe below what the mixer should do, and how the results are measured.

TYPE OF OPERATION

- Batch, with how many minutes mixing time? _____
- Continuous, at what GPM flow rate? _____

Normal operation volume: Gallons _____

Minimum gallons _____

Maximum gallons _____

Mixer should be selected for: Normal volume

Maximum volume

Operating temperature: Maximum _____ °F

Minimum _____ °F

Operating pressure: Maximum _____ PSIG

Minimum _____ PSIG

FINAL MIXTURE

Sp. Gr.: _____

Viscosity: _____

Other description: _____

Is the process performed at present? Yes No

Describe present installation, including batch dimensions, power, and impeller size/speed/type/location:

Is the performance satisfactory? Yes No

If not, describe why:
