

Mixer Application Data Sheet

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FLUID HANDLING INC.

Phone: 1-800-500-9311,
or 1-864-573-9200

Print or Save completed form
and then Submit using either:
Email: sales@oecfh.com
or Fax: 1-864-573-9299

Your Equipment No.: _____

Date: _____

NAME _____

TITLE _____

COMPANY _____

PHONE _____

ADDRESS _____

FAX _____

CITY _____ STATE _____ ZIP _____

EMAIL _____

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.?

TOP HEAD

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

Yes No

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

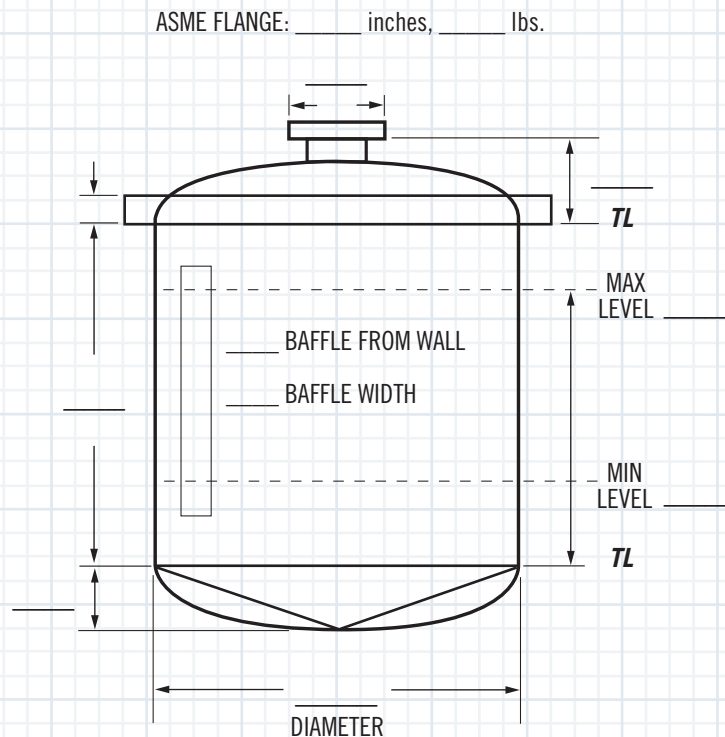
Enclosure: _____

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.**

REMARKS:



DIMENSIONS: inches
(check one) mm

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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 Batch Gallons _____

Maximum Batch 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:

