ProQuip, Inc.

Data Sheet for Top Entering Agitators

Please fill out as accurately and completely as possible to help us recommend the most economical mixer for your application. Include any information that clearly defines your problem, suchas as previous experience, special properties, sketches, samples, etc

First Name | MI | Last Name

Title

Company

Street Address

City | State | Zip Code

Project Reference

Phone Number

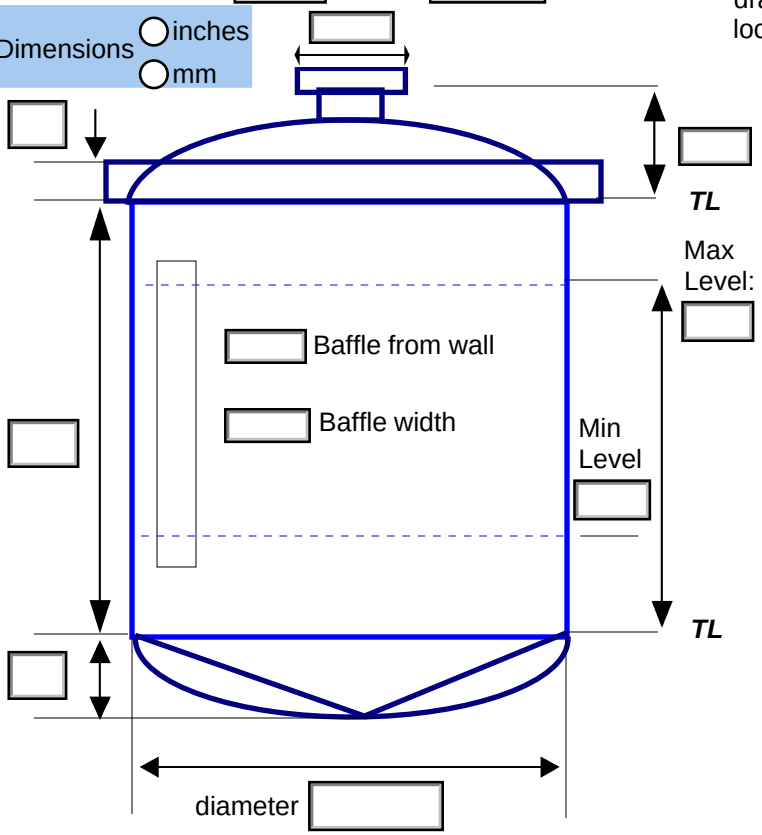
Fax No.

e-mail Address

ASME Flange: inches lbs.

Please show dimensions on sketch at left or enclose tank drawings. Describe other internals such as heating coils. Show locations and clearances.

Dimensions ○ inches ○ mm



Tank Type:
- ○ Cylindrical
- ○ 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 Is: ○ New ○ Existing

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

Steady Bearing Allowed: ○ Yes ○ No

Manway Size:

Space restrictions:

Headroom requirements:

Construction Materials:

Tank: Mixer: Steady Bearing Bushing Material:

Design Pressure: psig. Design Temperature: ^{o}F

Type of Shaft Seal: ○ Required ○ Preferred ○ ProQuip to Recommend ○ Vapor ○ Stuffing Box ○ Single Mechanical ○ Double Mechanical

Seal Lubricant

Motor Characteristics

Volts/ Phase/ Hz Enclosure

Special insulation or requirements Other

ProQuip,Inc. - Process Details

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

Operation is: ◯ Batch with _____ minutes mixing time.
◯ Continuous at _____ gpmflow rate.

Normal operating volume: _____ gals. Minimum _____ gals. Maximum _____ gals.

Mixer should be selected for: ◯ Normal volume ◯ Maximum volume

Operating temperature: max. _____ °F min. _____ °F Operating Pressure: max. _____ psig min. _____ psig

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 and Solids

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

Liquids and Gas

- ☐ Gas dispersion
- ☐ Gas absorption
- ☐ Stripping

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

Solids

Name _____
Weigtht % _____
Sp. Gr. _____
Settling Rate _____ ft./min.
Particle size range: _____

Solids added wet ◯ dry ◯

- ☐ insoluable
- ☐ soluable
- ☐ fluffy
- ☐ sticky or gummy
- ☐ abrasive

Gas

Name _____
Flow rate _____ cfm
measured at _____ psig
and _____ °F

Foaming tendency?

Final Mixture

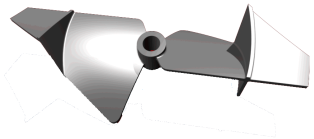
Sp. Gr. _____
Viscosity _____
Other description _____

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:

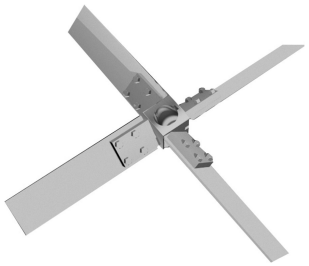
Use this page for special notes and/or descriptions

ProQuip HiFlow

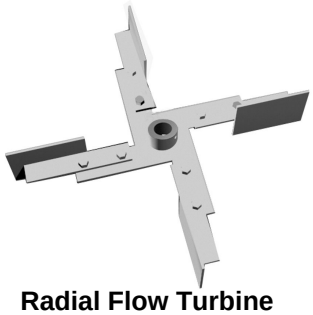


ProQuip Doubly- Pitched HiFlow

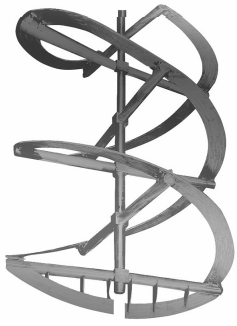
ProQuip HiSolidity HiFlow



Axial Flow Turbine



Radial Flow Turbine



Double Helix