



# Data Sheet

for Selecting Top Entering Agitators

**ProQuip, Inc.**

Designers and Manufacturers of Agitation Equipment

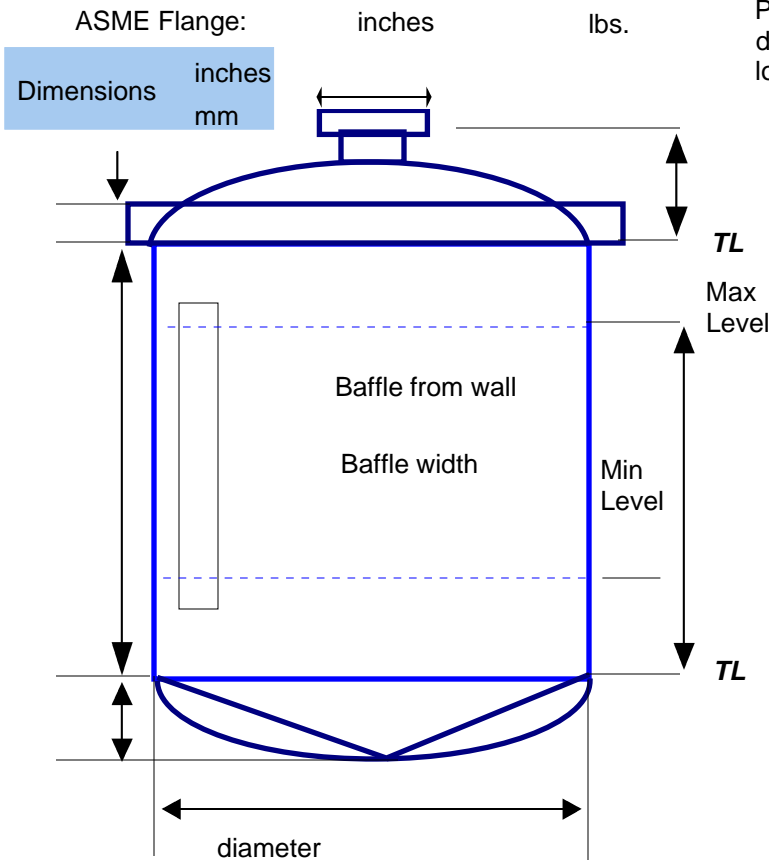
850 East Highland Road  
Macedonia, Ohio 44056-2190 USA  
330.468.1850 Fax 330.467.3724  
www.proquipinc.com  
email: [applications@proquipinc.com](mailto:applications@proquipinc.com)

# 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, such as previous experience, special properties, sketches, samples, etc

First Name	MI	Last Name	Project Reference
Title			Phone Number
Company			Fax No.
Street Address			e-mail Address
City	State	Zip Code	



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

<p><b>Tank Type:</b></p> <p>Cylindrical</p> <p>Rectangular</p> <p>Vertical</p> <p>Horizontal</p> <p><b>Top Head:</b></p> <p>Open</p> <p>Flat</p> <p>Std. F&amp;D</p> <p>ASME F&amp;D</p> <p>Cone</p> <p>Other</p> <p><b>Bottom Head:</b></p> <p>Flat</p> <p>Sloped</p> <p>Std. F&amp;D</p> <p>ASME F&amp;D</p> <p>Cone</p> <p>Other</p>	<p>Tank Is: New</p> <p>Existing</p> <p>If existing, can it be modified as required such as the addition of baffles, changes to mixer supports, etc. Yes</p> <p>No</p> <p>Steady Bearing Allowed: Yes</p> <p>No</p> <p>Manway Size:</p> <p>Space restrictions:</p> <p>Headroom requirements:</p>
---	---

### Construction Materials:

Tank: Mixer: Steady Bearing Bushing Material:

Design Pressure: psig. Design Temperature: °F

Type of Shaft Seal: Required Preferred ProQuip to Recommend Seal Lubricant

Vapor Stuffing Box Single Mechanical Double Mechanical

### 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					Liquids and Solids			Liquids and Gas	
Blend miscible liquids					Suspend solids adequately to prevent buildup			Gas dispersion	
Hold or prevent stratification of existing mixture					Suspend solids entirely off bottom			Gas absorption	
Contact immiscible liquids					Suspend solids uniformly			Stripping	
Emulsification					Dissolving				
Heat transfer					Washing or leaching				
Chemical reaction									
Liquids	No. 1	No. 2	No. 3	No. 4	Solids			Gas	
Name					Name			Name	
Weight %					Weight %			Flow rate	cfm
Sp. Gr.					Sp. Gr.			measured at	psig
Viscosity					Settling Rate                      ft./min.			and	°F
Other Data					Particle size range:			Foaming tendency?	
Other Data					Solids added    wet                      dry				
<b>Final Mixture</b>									
Sp. Gr.					insoluable				
Viscosity					soluable				
Other description					fluffy				
					sticky or gummy				
					abrasive				

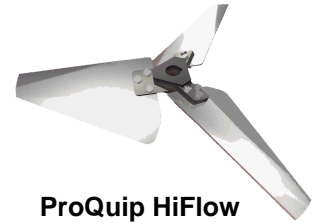
Is the process performed at present?    Yes                      No

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

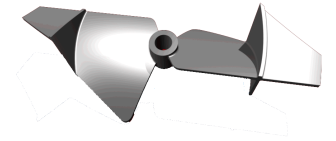
Is the performance satisfactory?    Yes                      No

If not, describe why:

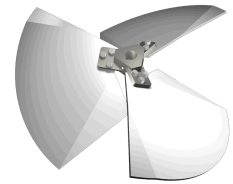
**Use this page for special notes and/or descriptions**



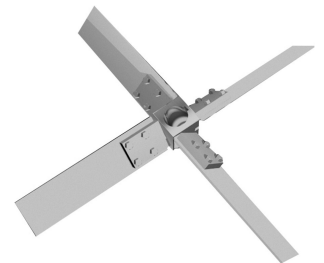
**ProQuip HiFlow**



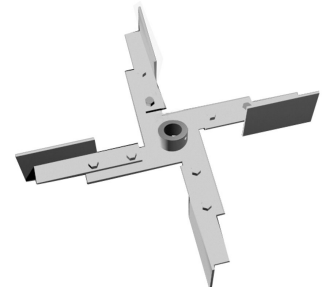
**ProQuip Doubly- Pitched  
HiFlow**



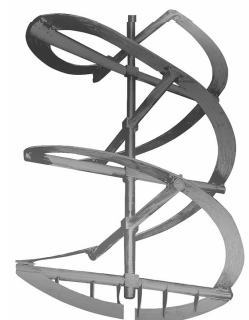
**ProQuip HiSolidity  
HiFlow**



**Axial Flow Turbine**



**Radial Flow Turbine**



**Double Helix**