

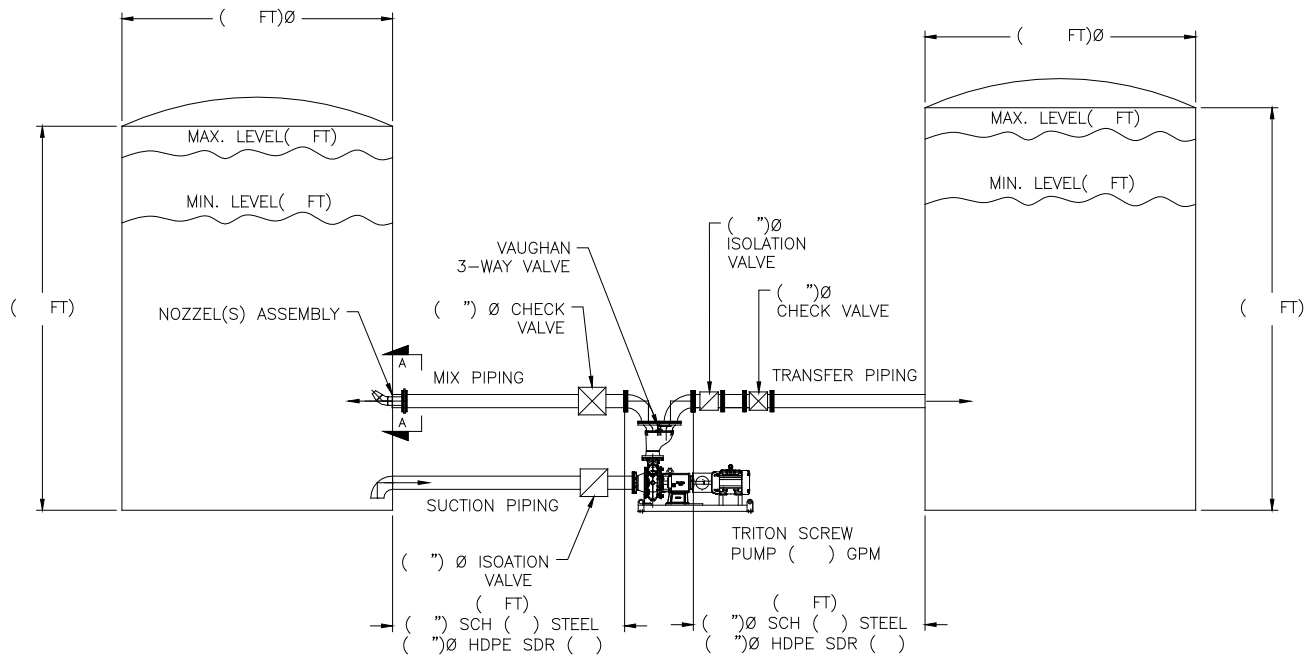
PUMP INQUIRY FORM

SMALL TANK MIXING

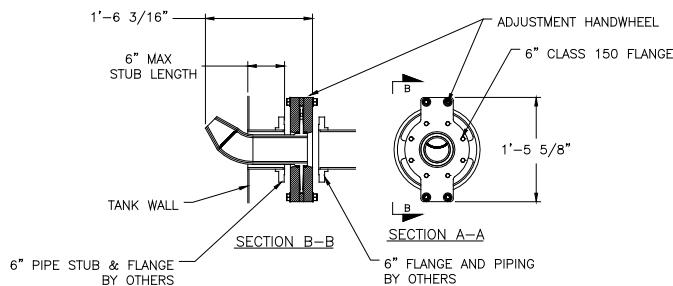
<p>Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State/Country: _____ Zip/Code: _____</p>	<p>Phone: _____</p> <p>Fax: _____</p> <p>e-mail: _____</p> <p>Project Name: _____</p> <p>Project Location: _____</p>														
<p>APPLICATION: Small Tank Mixing (STM)</p> <hr/> <p>TYPE OF PUMP: Chopper_Screw</p> <p> <input type="checkbox"/> Vertical Wet Well: Length: _____ Feet <input type="checkbox"/> Vertical Recirculator: Length: _____ Feet <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical Pedestal <input type="checkbox"/> Submersible: <input type="checkbox"/> Explosion Proof <input type="checkbox"/> Guide Rail System <input type="checkbox"/> Recirculator <input type="checkbox"/> Hydraulic Submersible <input type="checkbox"/> Self-Primer </p> <p>PROPERTY OF LIQUIDS:</p> <p>Temperature: _____ °F _____ °C</p> <p>PH: _____ Salinity (ppt): _____</p> <p>% Solids: _____</p> <p>Specific Gravity: _____</p> <p>Viscosity (cps): _____ (ssu) _____</p> <p>(Detailed viscosity/rheology data)</p> <p>Describe Solids: _____</p> <p>_____</p> <p>(Estimated particle size)</p> <p>TANK DIMENSIONS:</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"><u>Cylindrical</u></td> <td style="width: 50%;"><u>Rectangular</u></td> </tr> <tr> <td>Diameter: _____ ft / m</td> <td>Depth: _____ ft / m</td> </tr> <tr> <td>Height: _____ ft / m</td> <td>Width: _____ ft / m</td> </tr> <tr> <td></td> <td>Length: _____ ft / m</td> </tr> <tr> <td colspan="2">Cone Depth: _____ ft / m</td> </tr> <tr> <td colspan="2">Tank Sketch or Drawing:</td> </tr> <tr> <td><input type="checkbox"/> Attached</td> <td><input type="checkbox"/> Will Send</td> </tr> </table>	<u>Cylindrical</u>	<u>Rectangular</u>	Diameter: _____ ft / m	Depth: _____ ft / m	Height: _____ ft / m	Width: _____ ft / m		Length: _____ ft / m	Cone Depth: _____ ft / m		Tank Sketch or Drawing:		<input type="checkbox"/> Attached	<input type="checkbox"/> Will Send	<p>SYSTEM DESCRIPTION:</p> <p> Inlet Pipe Dia: _____ in / mm Inlet Pipe Lng: _____ ft / m Inlet Static Hd: _____ ft / m Inlet Lift: _____ ft / m Inlet Filter: _____ Differential psi / ksm Disc. Pipe Dia: _____ in / mm Disc. Pipe Lng: _____ ft / m Disc. Static Hd: _____ ft / m Disc. Filter: _____ Differential psi / ksm Tank Min Lvl: _____ ft / m Tank Max Lvl: _____ ft / m Other: _____ _____ _____ </p> <p>PUMP PERFORMANCE:</p> <p>Capacity: _____ gpm / m³/hr</p> <p>Head: _____ ft / m / psi</p> <p>ELECTRIC MOTOR REQUIREMENTS:</p> <p> <input type="checkbox"/> Premium Efficiency, Class 1, Division 2 <input type="checkbox"/> IEEE-841, Class 1, Division 2 <input type="checkbox"/> Explosion Proof, Class 1, Division 1 <input type="checkbox"/> Submersible, Class 1, Division 1 HP/KW: _____ RPM: _____ Volts: _____ PH: _____ HZ: _____ Special Features: _____ _____ _____ </p>
<u>Cylindrical</u>	<u>Rectangular</u>														
Diameter: _____ ft / m	Depth: _____ ft / m														
Height: _____ ft / m	Width: _____ ft / m														
	Length: _____ ft / m														
Cone Depth: _____ ft / m															
Tank Sketch or Drawing:															
<input type="checkbox"/> Attached	<input type="checkbox"/> Will Send														

TOTAL HEAD CALCULATIONS

SMALL TANK MIXING



TANK MIXING SYSTEM



NOZZLE ASSEMBLY DETAIL PIPING EXPLODED FOR CLARITY

SPECIAL CASES:

Pipelines with valves & fitting, add appropriate equivalent pipe length.

Pressurized supply or discharge tanks, add the discharge tank pressure, in feet, less any supply tank pressure, in feet, to the above Total Head calculation. Gauge pressure, in psi x 2.31 = head in feet.

Very high solids content sludges & slurries, contact Vaughan on reliable test data for friction values.

Fax, e-mail or mail form directly to:

Vaughan Company, Inc.

364 Monte Elma Road

Montesano, WA 98563

360-249-4042

Fax: 360-249-6155

e-mail: info@chopperpumps.com