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Stirred Reactor Application Data Sheet

Please fill out each appropriate field below and click the Submit button on Page 3 to automatically email your completed form to sales@zeyon.com. Fields marked with a red asterisk (*) are required.

Basic Information

* Customer Name: _____
Address: _____

* Phone: _____
Fax: _____
* Email: _____

Reactor Vessel Design (ASME Code Sect. VIII, Div. 1)

	Imperial		Metric
Design Pressure:	PSIG		BAR
Design Temperature:	°F		°C
Operating Pressure:	PSIG		BAR
Operating Temperature:	°F		°C
Nominal Vessel Volume:	Gallons		Liters
Vessel Geometry:	ID		
	IL		

Vessel Closure: Flat top, flanged & bolted
Dished top, flanged & bolted
Fixed dished top with access flange

Internal Finish: Mill Finish
Glass Bead Blasted
#80 Grit (63 Microinch Ra)
#3 Mechanical Polish (16 Microinch Ra)
#4 Mechanical Polish (4 Microinch Ra)
Electropolish

Spiral Baffled Heat Transfer Jacket: Yes
No

Materials of Construction

Vessel Material: _____
Jacket Material: _____

Nozzle Schedule

Qty	Size	Type	Location

Reactor Agitator / Drive Assembly

Process Viscosity	
Specific Gravity	
Liquid Level	
Gas Dispersion	
Liquid Building	
Solids Suspension	
Internal Mixing Baffles	

Impeller Type:

Pitched 4-Blade	Straight 4-Blade
Disk (Rushton)	Marine Propeller
Curved Blade	Bar Turbine
Elongated Paddle	High-Efficiency Foil
Anchor	Helical

Impeller Diameter:

Desired Mixing Speed Range:

Impeller Quantity:

	in.		mm.
from	RPM	to	RPM
	ea.		

Mixer Selection (pick one):

- Magnetic Drive
 - a. Brand and model: _____
 - b. Shaft Diameter: _____
- Other
 - a. Brand and model: _____
 - b. Shaft Diameter: _____

Motor / Voltage Available:

1 Phase	3 Phase
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110	230	330	380	460
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Drive Options:

Fixed Speed	Variable Speed	Gear Reduced
Belt Driven	In-line Drive	Bottom Entry

Area Electrical Classification: Class _____, Division _____, Group(s) _____

Reactor Accessories

Rupture Disk / Safety Head	Relief Valve	Flush Bottom Drain Valve
Thermowell	Sample Tube	Other:
Sparge Tube / Ring	Cooling Coil	Other:
Elec. Band Heaters	Pressure Gauge	Other:
Thermocouple(s)	Blow Pipe	Other:
Sight Glass	Cool-in-Pipe Condenser	Other:
Vessel Insulation	Vent Valve	Other:

Support Structure

- Pipe or Angle Iron Legs
- Fixed 3-Post Floor Stand
- Floor Stand with Hydraulic Raise / Lower / Swing-out Mechanism

Process Instrumentation and Control

Temperature Indication	Temperature Control	Liquid Level Indication
Pressure Indication	Pressure Control	Liquid Level Control
Mixing Speed Indication	Mixing Speed Control	Drive Motor Current Indication

Notes

*Please give a brief description of your process and any additional requirements your project may have. **When finished, please click the Submit button to automatically email your completed form to sales@zeyon.com.***