



3408 McClelland Ave C.P.O. Box 10024 C Erie, PA 16514  
 Ph: 814/899-3311 CFax 814/899-4645 CToll Free: 800/289/7543

**ZEYON STIRRED REACTORS APPLICATION DATA SHEET**

CUSTOMER NAME:	
ADDRESS:	
CITY, STATE, ZIP:	
PHONE #:	
FAX #:	
E-MAIL:	

**1. REACTOR VESSEL DESIGN (A.S.M.E. CODE SECT. VIII, DIV. 1)**

DESIGN PRESSURE: PSIG / BAR

DESIGN TEMPERATURE: EF / EC

OPERATING PRESSURE: PSIG / BAR

OPERATING TEMPERATURE: EF / EC

NOMINAL VESSEL VOLUME: GALLONS / LITERS

VESSEL GEOMETRY: I.D. X I.L.

VESSEL CLOSURE: ~ FLAT TOP, FLANGED & BOLTED  
 ~ DISHED TOP, FLANGED & BOLTED  
 ~ FIXED DISHED TOP WITH ACCESS FLANGE

SPIRAL BAFFLED HEAT TRANSFER JACKET: ~ YES ~ NO

MATERIAL OF CONSTRUCTION: \_\_\_\_\_VESSEL, \_\_\_\_\_JACKET

INTERNAL FINISH: ~ MILL FINISH  
 ~ GLASS BEAD BLASTED  
 ~ #80 GRIT (63 MICROINCH Ra)  
 ~ #3 MECHANICAL POLISH (16 MICROINCH Ra)  
 ~ #4 MECHANICAL POLISH (4 MICROINCH Ra)  
 ~ ELECTRO POLISH



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**3. SUPPORT STRUCTURE**

- ~ PIPE OR ANGLE IRON LEGS
- ~ FIXED 3-POST FLOOR STAND
- ~ FLOOR STAND WITH HYDRAULIC RAISE / LOWER / SWING-OUT MECHANISM

**4. REACTOR ACCESSORIES**

- |                      |                    |                            |
|----------------------|--------------------|----------------------------|
| ~ RUPTURE DISK       | ~ RELIEF VALVE     | ~ PRESSURE GAUGE           |
| ~ THERMOWELL         | ~ SAMPLE TUBE      | ~ BLOW PIPE                |
| ~ SPARGE TUBE/RING   | ~ COOLING COIL     | ~ COIL-IN-PIPE CONDENSER   |
| ~ ELEC. BAND HEATERS | ~ HEATING MANTLE   | ~ HOT OIL SYSTEM           |
| ~ THERMOCOUPLE/S     | ~ DIAL THERMOMETER | ~ R T D                    |
| ~ SIGHT GLASS        | ~ LIGHT SOURCE     | ~ TACHOMETER               |
| ~ VESSEL INSULATION  | ~ VENT VALVE       | ~ FLUSH BOTTOM DRAIN VALVE |

**5. PROCESS INSTRUMENTATION & CONTROL**

- |                                  |                        |
|----------------------------------|------------------------|
| ~ TEMPERATURE INDICATION         | ~ TEMPERATURE CONTROL  |
| ~ PRESSURE INDICATION            | ~ PRESSURE CONTROL     |
| ~ MIXING SPEED INDICATION        | ~ MIXING SPEED CONTROL |
| ~ LIQUID LEVEL INDICATION        | ~ LIQUID LEVEL CONTROL |
| ~ DRIVE MOTOR CURRENT INDICATION |                        |

**6. NOTES:**

PLEASE GIVE A BRIEF DESCRIPTION OF YOUR PROCESS AND ANY SPECIAL REQUIREMENTS YOU MAY HAVE.