

## APPLICATION DATA SHEET

### Contact Information:

Customer \_\_\_\_\_ Date \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Contact \_\_\_\_\_ Title \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
E mail \_\_\_\_\_

### General Information:

#### Project Type:

Budget  Contractor Bid  Firm  PO in 30 - 60 Days  Immediate PO

#### Project Description:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date proposal required \_\_\_\_\_ Date equipment required \_\_\_\_\_

#### Process Information: (Describe the process)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Continuous  Batch Duration \_\_\_\_\_ Hours \_\_\_\_\_

Process Pressure \_\_\_\_\_  mm Hg (Torr)  In Hg  Other \_\_\_\_\_

Inlet temperature \_\_\_\_\_  °F  °C

#### Flow Information:

Air Leakage \_\_\_\_\_  ACFM  SCFM  LB/HR  Other \_\_\_\_\_

Water Vapor \_\_\_\_\_  ACFM  SCFM  LB/HR  Other \_\_\_\_\_

#### Gas/Other Chemicals Present:

Chemical	Gas Flow	Units	Mole Weight

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Could the vacuum system possibly see any of the following?

Particulate / Solids  Yes  No Describe \_\_\_\_\_

Liquids  Yes  No Describe \_\_\_\_\_

Gummy Material  Yes  No Describe \_\_\_\_\_

### Material Compatibility:

Aluminum  Steel / Cast Iron  304 SS  316 SS  Teflon  PVCF

PFA  Polypropylene  Nickel  Other \_\_\_\_\_

### Pump Down Requirement:

Is pump down time controlling for system sizing  Yes  No

System Volume		Time Required	
Starting Pressure		Final Pressure	
Air Leakage			

### Equipment Environment:

Area Classification:  Non Hazardous  Hazardous

Class \_\_\_\_\_ Group(s) \_\_\_\_\_ Div. \_\_\_\_\_

Motor Enclosure  TEFC  Explosion Proof  Mill and Chemical Duty

Electrical Voltage \_\_\_\_\_ Frequency \_\_\_\_\_ Hz, Phase \_\_\_\_\_

Control Panel / System Controls Not Required  Required

If required, Starters are  required  not required

NEMA \_\_\_\_\_ Enclosure, Can it be remote mounted  Yes  No

### Utilities:

Water Temperature \_\_\_\_\_  °F  °C Water Pressure \_\_\_\_\_ Psig

Compressed Air available  No  Yes, Pressure \_\_\_\_\_ Psig

Nitrogen available  No  Yes, Pressure \_\_\_\_\_ Psig

Steam available  No  Yes, Pressure \_\_\_\_\_ Psig

### System Discharge

Vacuum pump discharges to  Atmosphere  Scrubber  Incinerator

Other \_\_\_\_\_

Discharge Pressure \_\_\_\_\_ PSIG

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### Accessories to be provided:

- Inlet Knock out pot  level switch  Auto drain  drain tank  Filter  
 Control valve  Isolation valve  Vacuum Receiver  Booster  
 Discharge Oil separator / Demister  Inlet Check valve  VDF motor(s)  
 VFD drive controls  Air cooler for pump(s)  Vacuum Gauge  
 Other \_\_\_\_\_
- 

### History:

Inquiry is for  New application  Expansion of existing capacity

Replacement system –

System Being replaced and why \_\_\_\_\_

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Inquiry was prompted by

Pollution / waste problems with

Steam jet  Liquid ring  Oil sealed system  OTO system

Need for solvent or product recovery from vacuum system

What is to be recovered \_\_\_\_\_

Need to lower steam or water usage

Energy savings

Maintenance requirements of existing system. Define \_\_\_\_\_

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Existing system does not work in application.

What is the existing system \_\_\_\_\_

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What is the problem with it \_\_\_\_\_

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## **APPLICATION DATA SHEET**

**Comments / Notes:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Flow Schematic:**