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## DRY PUMP APPLICATION DATA SHEET

### Chemical and Pharmaceutical Industries

#### Customer Information

Date: \_\_\_\_\_ Quote Request Date: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Name/Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

#### Process Gas Information

	<u>Chemical Name</u>	<u>Molecular Formula</u>	<u>Flow Rate (kg/hr)</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

Air Leakage (kg/hr or mbar/min): \_\_\_\_\_

Are Particulates Present:      Yes      No      Size (micron): \_\_\_\_\_

#### Pumping Requirements

Required Pumping Speed (m<sup>3</sup>/hr): \_\_\_\_\_

Required Process Pressure (mbar, Torr, etc): \_\_\_\_\_

Type of Process:      Continuous      Batch      Cycle Time (hr): \_\_\_\_\_

Process Inlet Temperature (°C): \_\_\_\_\_

Process Volume (m<sup>3</sup>): \_\_\_\_\_

Evacuation Time (min): \_\_\_\_\_

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### **Installation of Pump**

Length of Inlet Pipe (m): \_\_\_\_\_ Diameter of Inlet Pipe (mm): \_\_\_\_\_

Inlet Valve Installed?:            Yes            No

Diameter of Exhaust Line (mm): \_\_\_\_\_

Max Exhaust Gas Pressure (mbarg): \_\_\_\_\_

Exhaust Gas Piped to:            Roof      Scrubber      Incinerator      Flare      Other

### **Utility Requirements**

Electricity:      Voltage (V): \_\_\_\_\_      Frequency (Hz): \_\_\_\_\_

Cooling Water: Temperature (°C): \_\_\_\_\_      Pressure (barg): \_\_\_\_\_

Nitrogen Pressure (barg): \_\_\_\_\_

Instrument Air (barg): \_\_\_\_\_

### **ATEX Classification**

Zone \_\_\_\_\_

### **Electrical Data**

Area Classification:      IEC/CENELEC: Zone: \_\_\_\_\_      Group: \_\_\_\_\_      Class: \_\_\_\_\_

OR

NEC 500:      Division: \_\_\_\_\_      Group: \_\_\_\_\_      Class: \_\_\_\_\_

Preferred Motor Supplier: \_\_\_\_\_

Motor Certification Code, (eg., Eexd IIA/IIB T4): \_\_\_\_\_

Electrical Control Classification: \_\_\_\_\_

### **Required Noise Levels**

< 85 dB(A)            < 82 dB(A)            < 80 dB(A)            < 75 dB(A)

### **System Sketch**

Please submit PI&D or system sketch, if possible.