

## CONTROL PANEL INQUIRY FORM

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State/Country: \_\_\_\_\_ Zip/Code: \_\_\_\_\_

Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 e-mail: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_

### PANEL INFORMATION:

Type of Panel

☐ VFD ☐ Soft Starter ☐ Motor Starter

Number of Pumps: \_\_\_\_\_ Number of Panels: \_\_\_\_\_

Pump Model: \_\_\_\_\_

Enclosure Type

☐ NEMA 12 ☐ NEMA 3R

☐ NEMA 4 ☐ NEMA 4X

Enclosure Location

☐ Indoor ☐ Outdoor ☐ Out-Shaded

Enclosure Mounting

☐ Wall ☐ Floor

Panel Configuration

☐ Simplex ☐ Duplex

☐ Triplex ☐ Other: \_\_\_\_\_

Incoming voltage to panel: \_\_\_\_\_

☐ Single Phase ☐ 3-Phase

Outgoing voltage to motor: \_\_\_\_\_

☐ Single Phase ☐ 3-Phase

### INSTALLATION ENVIRONMENT:

Maximum temperature: \_\_\_\_\_ °F \_\_\_\_\_ °C

Minimum temperature: \_\_\_\_\_ °F \_\_\_\_\_ °C

Elevation above 3300ft: \_\_\_\_\_

Humidity above 95%:

☐ Yes ☐ No

### PANEL OPTIONS:

Control Voltage

☐ 24VDC ☐ 120VAC ☐ 230VAC

Door Mounted Hand-Off-Automatic Selector Switch:

☐ Yes ☐ No

Door Mounted Start-Stop Buttons:

☐ Yes ☐ No

Door Mounted Elapsed Time Meter:

☐ Yes ☐ No

Door Mounted Alternator with Lead/Lag Selector Switch:

☐ Yes ☐ No

Run Indicating Lights:

☐ Door Mounted ☐ Stack Light ☐ None

Duplex Power Receptacle:

☐ Yes ☐ No

### PANEL OPTIONS CONTINUED:

Motor Power Quick Disconnect:

☐ Yes ☐ No

Supply Power Quick Disconnect:

☐ Yes ☐ No

Control Power Quick Disconnect:

☐ Yes ☐ No

▪ *Defined by customer*

Cover for Door Mounted Devices:

☐ Clear ☐ Solid Metal ☐ Metal w/window

▪ *These items require a cover when mounted on enclosure door for NEMA 3R, 4 & 4X applications: VFD Keypad, VPMR, Alternator, SID 1, & SID 7*

### ALARMS:

Pit Level

☐ Audible ☐ Visual ☐ Silence Push Button

☐ None

### LEVEL CONTROL SYSTEM:

☐ Floats

Number of Floats: \_\_\_\_\_

	Float Description		Operation Sequence
	UP	DOWN	(top)
5 <input type="checkbox"/>	High level alarm	No alarm	
4 <input type="checkbox"/>	Lag pump on		
3 <input type="checkbox"/>	Lead pump on		
2 <input type="checkbox"/>		All pumps off	
1 <input type="checkbox"/>	No alarm	Low level alarm	

(For 4 floats, combine float line 2 and 3)

(bottom)

☐ Level Transducer with Level Sensing Controller

### VAUGHAN MOTOR OVER-TEMP. / MOISTURE SENSOR (VPMR) – SUBMERSIBLE:

☐ Yes ☐ No

▪ *Cover required for NEMA 4 & NEMA 3R Applications*

Door Mounted VPMR Indicator Light:

☐ Yes ☐ No

### VAUGHAN OIL LEVEL MONITOR – SUBMERSIBLE & VERTICAL WET WELL:

☐ Yes ☐ No

☐ Standard ☐ Intrinsically Safe

Door Mounted Oil Level Indicator Light:

☐ Yes ☐ No

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### VAUGHAN LOW CURRENT SHUT OFF:

☐ Yes ☐ No

Low Current Door Mounted Indicator Light:

☐ Yes ☐ No

### VAUGHAN RECIRCULATION – SUBMERSIBLE AND VERTICAL WET WELL:

☐ Yes ☐ No

Automatic Valve Actuator:

☐ Yes ☐ No

☐ Standard ☐ Explosion Proof

Door Mounted Indicator Light:

☐ Yes ☐ No

### VFD INFORMATION:

ChopSmart Pump Control Package with SID7:

☐ Yes ☐ No

Chopper Pump or Screw Pump

☐ Heavy Duty Rating

Screw Pump Only

☐ Normal Duty Rating

Motor output cable distance to motor:

☐ Less than 150ft ☐ Greater than 150ft

Motor output cable type:

☐ Standard Cable ☐ VFD Rated Cable

VFD keypad location:

☐ Drive Mounted ☐ Door Mounted

Door mounted multifunction keypad:

☐ SID1 ☐ SID7 ☐ None

Door mounted speed potentiometer:

☐ Yes ☐ No

Analog speed command signal:

☐ Yes ☐ No

Analog signal type and quantity:

4-20mA \_\_\_\_\_ 0-10VDC \_\_\_\_\_

### VFD COMMUNICATION REQUIREMENTS:

☐ Modbus RTU ☐ Modbus TCP/IP

☐ Ethernet IP ☐ Other: \_\_\_\_\_

SCADA

☐ Yes ☐ No

### VFD PROTECTION DEVICES:

☐ Input Line Reactor

☐ Output Reactor

☐ Motor dv/dt filter

☐ Drive isolation transformer

☐ Harmonic filter to meet IEEE519

### SOFT STARTER INFORMATION:

Number of starts per hour: \_\_\_\_\_

Chopper Pump

☐ Yes ☐ No

Screw Pump

☐ Yes ☐ No

▪ For Chopper Pump applications, Torque Boost function must be enabled

### SOFT STARTER COMMUNICATION REQUIREMENTS:

☐ Ethernet IP ☐ Modbus RTU

☐ Modbus TCP/IP

SCADA

☐ Yes ☐ No

### MOTOR NAMEPLATE INFORMATION:

Voltage: \_\_\_\_\_ Phase: \_\_\_\_\_

FLA: \_\_\_\_\_ Hz: \_\_\_\_\_

HP: \_\_\_\_\_ RPM: \_\_\_\_\_

Insulation Class: \_\_\_\_\_

Part Number: \_\_\_\_\_

Inverter Rated

☐ Yes ☐ No

### MOTOR SPEED RANGE:

Minimum RPM: \_\_\_\_\_ Maximum RPM: \_\_\_\_\_

Acceleration Time (Seconds)

Minimum: \_\_\_\_\_ Maximum: \_\_\_\_\_

Deceleration Time (Seconds)

Minimum: \_\_\_\_\_ Maximum: \_\_\_\_\_

### ONSITE STARTUP SERVICE:

☐ Yes ☐ No

### ADDITIONAL MOTOR INFORMATION OR OPTIONAL FEATURES AND CONSIDERATIONS: