# **Control Panel Quote Form**

#### (1) Incoming Service Voltage @ 60Hz

□ 120 VAC 1P, 3W, No Starters

 $\Box$  120 VAC Including a 120 VAC Breaker

□ Battery-Backup with 120 VAC Breaker & 7AH Battery

□None, Customer connects 120 VAC or VDC to the unit

□ 240 VAC 1P, 3W □ 208 VAC 3P, 4W □ 240 VAC 3P, 3W

□ 240 VAC 3P, 4W □ 480 VAC 3P, 3W

120 VAC Control Breaker

### (2) Main and Emergency Breaker

□ Main Lug Only □ Main Breaker

□ Main Breaker Service Entrance Rated

□ Main Breaker and Emergency Breaker

- (3) Surge Protection Required (Incoming Service Only)
- (4) Power/Phase Failure Monitors Required
- (5) Circuit Breaker Interrupt Rating Capacity
   □AIC-65K @ 240/18K @ 480
   □AIC-100K @ 240/65K @ 480

# (6) Motor HP

□.5, □.75, □1.0, □1.5, □2.0, □3.0, □5.0, □7.5, □10.0, □15.0, □20.0, □25.0, □30.0, □40.0, □50.0 □Other\_\_\_\_\_HP

# (7) Starter Type

🗆 Nema FVNR

□ Nema RVNR-Soft Starter

□Nema RVNR-VFD

# (8) Overload Relay Classification

Class 10 Quick Trip (Recommended For Submersible Pumps)

Class 20 Standard Trip (Recommended For Open Air Mounted Pumps)

### (9) Number of Pumps

 $\Box 2 \Box 3 \Box 4$ 

# (10) Enclosure Type

NEMA Type 3R – Painted ANSI 61 Grey
 NEMA Type 3R – 304 Stainless Steel
 NEMA Type 4 – Painted ANSI 61 Grey
 NEMA Type 4X – 304 Stainless Steel
 NEMA Type 4X – Fiberglass
 NEMA 12

- (11) Floor Stands Required (12" w/Louvered Skirts, Material
   & Finish to Match Enclosure)
- (12) Cabinet Heater Required (100 Watt w/High Temp Cutoff, Condensation/Freeze Protection)
- (13) 
  Alarm Light (Top Panel Mounting) Required
- (14) Weatherproof Alarm Horn Required (Side Mounted and Includes Silence Push Button)
- (15) □Simultaneous Run Time Meter Required (Accumulates Time When Both Pumps Activated To Meet Demand)
- (16) GFI Receptacle Required (Includes 10 Amp Circuit Breaker
   & GFI Protected Receptacle)
- (17) Pilot Devices
  □ Run Lights □ H/O/A □ RTM □ PB Overload Reset
  □ Cycle Timer □ Backup Controller Reset
- (18) Type of Pilot Light

(19) Contact Outputs for Level & Motor Status Required

Number of outputs required:

(20) 
Intrinsic Safety Barriers for Floats/Sensors Required

(21) Low Level Lockout Required (Available when float back up system is selected - Locks pump(s) out of operation upon activation of low level float switch. Pumps are reenabled when wet well rises to low float deactivation level)

### (22) Primary Controller

□ Primary Controller w/ Submersible Transducer (60' Cable)

- □ 0-10 Ft Pressure Range
- 0-20 Ft Pressure Range

#### (23) Secondary (Backup) Controller

- □ Secondary Controller with: w/ back up floats (PVC)
- □ 5 Floats, Mercury Free (High, Lead on, Lag on, Both Off)
- □ 3 Floats, Mercury Free (High, Both on, Both off)

□None

### (24) Seal Fail & OT Required (Includes Indicators and

Reset Push Button Operators Required, Typically required for Submersible Pumps)

- Standard (Seal Fail Relay and OT Relay w/Pump Lockout) (Do not use for Flygt<sup>®</sup>, Ebara<sup>®</sup> and ABS<sup>®</sup>
   Pumps, see other options below.)
- Mount & Wire Customer Provided Flygt®
  MiniCAS II Modules

□ Mount & Wire Customer Provided Eubara®

- PumpCon Modules
- □ Mount & Wire Customer Provided ABS<sup>®</sup> or Sealminder<sup>™</sup> Relay Modules & Siemens Water Technologies Std OT Relay

#### 25) Alarm Dialer Required (Provides Offsite Alarm

Notification of Station Alarms, Customer to provide phone line service connection)

- $\Box$  Provide 13" x 11" (33 cm x 28 cm) Panel Space for
- Customer Provided, Mounted and Wired Dialer
- □ Mount & Wire Customer Provided Alarm Dialer

□8 Channel Alarm Dialer

### (26) Generator Receptacle Required

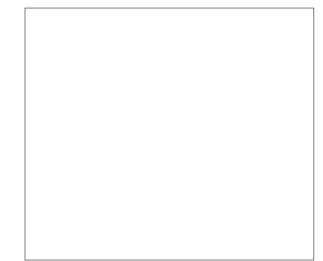
Provide Generator Make and Model:

#### (27) Battery Backup Required

### (28) Wire I/O to Terminals

#### (29) Other Options:

Email:



Name:	
	[]
Company:	
Address:	
Phone:	
Site Name:	
Site Mullie.	