

# GRUNDFOS SUBMERSIBLE MOTOR INSTALLATION RECORD WELL APPLICATION

<b>DISTRIBUTOR INFORMATION</b>	Distributor Name _____
	Distributor Contact _____
	Phone (     ) _____
	Fax (     ) _____
	Email _____
<b>INSTALLER INFORMATION</b>	Installer's Name _____
	Address _____
	City _____ State _____ Zip _____
	Phone (     ) _____ Fax (     ) _____
	Contact Name _____
	Email _____
<b>OWNER INFORMATION</b>	Owner's Name _____
	Address _____
	City _____ State _____ Zip _____
	Phone (     ) _____ Fax (     ) _____
	Contact Name _____

Well Name/ID \_\_\_\_\_

Date Installed \_\_\_\_\_ Date Failed \_\_\_\_\_

Water Temperature \_\_\_\_\_ °F \_\_\_\_\_ °C

## MOTOR:

Motor Manufacturer \_\_\_\_\_

Motor Product No. \_\_\_\_\_

Motor Model \_\_\_\_\_

Serial No./Date Code \_\_\_\_\_ HP \_\_\_\_\_ Voltage \_\_\_\_\_ PH \_\_\_\_\_

☐ 1 PH: ☐ 2-wire or ☐ 3-wire (check one)

Full Load Current \_\_\_\_\_ SF Amps \_\_\_\_\_

## PUMP:

HP Required by Pump End \_\_\_\_\_

Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_

Curve No. \_\_\_\_\_ Rating: \_\_\_\_\_ GPM@ \_\_\_\_\_ ft. TDH

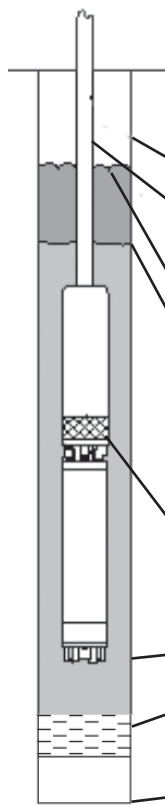
NPSH Required \_\_\_\_\_ ft. NPSH Available \_\_\_\_\_ ft.

Actual Pump Delivery \_\_\_\_\_ GPM@ \_\_\_\_\_ PSI

Operating Cycle:

ON (Hr./Min.) \_\_\_\_\_ OFF (Hr./Min.) \_\_\_\_\_

Your Name \_\_\_\_\_ Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_



**WELL DATA:**

Total Dynamic Head \_\_\_\_\_ ft.

Casing Diameter \_\_\_\_\_ in.

Drop Pipe Diameter \_\_\_\_\_ in.

Drop Pipe Length \_\_\_\_\_ ft.

Static Water Level \_\_\_\_\_ ft.

Drawdown (pumping) Water Level \_\_\_\_\_ ft.

Check Valves at \_\_\_\_\_ & \_\_\_\_\_ & \_\_\_\_\_ & \_\_\_\_\_ ft.

☐ Solid ☐ Drilled

Pump Inlet Setting \_\_\_\_\_ ft.

Flow Sleeve ☐ No ☐ Yes, Dia. \_\_\_\_\_ in.

Casing Depth \_\_\_\_\_ ft.

☐ Well Screen ☐ Perforated Casing

From \_\_\_\_\_ to \_\_\_\_\_ ft. & \_\_\_\_\_ to \_\_\_\_\_ ft.

Well Depth \_\_\_\_\_ ft.

## TOP PLUMBING:

Please sketch the plumbing after the well head (check valves, throttling valves, pressure tank, etc.) and indicate the setting of each device.

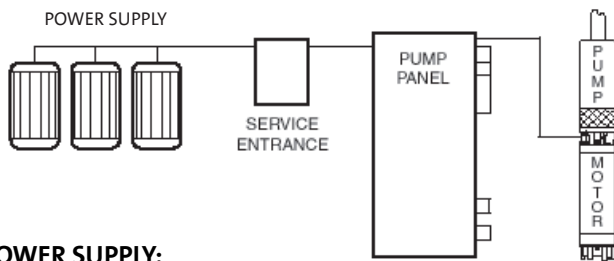
## POWER SUPPLY:

Cable: Service Entrance to pump panel \_\_\_\_\_ ft. \_\_\_\_\_ AWG \_\_\_\_ / MCM \_\_\_\_

- ☐ Copper ☐ Aluminum  
☐ Jacketed ☐ Individual Conductors

Cable: Pump panel to Motor \_\_\_\_\_ ft. \_\_\_\_\_ AWG \_\_\_\_ / MCM \_\_\_\_

- ☐ Copper ☐ Aluminum  
☐ Jacketed ☐ Individual Conductors



## POWER SUPPLY:

Wye or Delta (*check one*)

If Delta, is it an open or closed configuration?

☐ Open = 2 transformers ☐ Closed = 3 transformers

Output Voltage \_\_\_\_\_

KVA available \_\_\_\_\_

## INCOMING VOLTAGE TO PUMP PANEL:

No Load L1-L2 \_\_\_\_\_ L2-L3 \_\_\_\_\_ L1-L3 \_\_\_\_\_

Full Load L1-L2 \_\_\_\_\_ L2-L3 \_\_\_\_\_ L1-L3 \_\_\_\_\_

L1-G \_\_\_\_\_ L2-G \_\_\_\_\_ L3-G \_\_\_\_\_

## INSULATION CHECK:

Initial Megs: Motor & Lead Only: Black \_\_\_\_\_ Yellow \_\_\_\_\_ Red \_\_\_\_\_

Installed Megs: Motor, Lead & Cable: Black \_\_\_\_\_ Yellow \_\_\_\_\_ Red \_\_\_\_\_

## RUNNING AMPS: (For single phase applications L2 is = Neutral)

HOOKUP 1:

Full Load L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_

% Unbalance \_\_\_\_\_

HOOKUP 2:

Full Load L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_

% Unbalance \_\_\_\_\_

HOOKUP 3:

Full Load L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_

% Unbalance \_\_\_\_\_

Ground Wire Size \_\_\_\_\_ AWG \_\_\_\_ / MCM \_\_\_\_

System Grounded to: (*check all that apply*)

☐ Well Head ☐ Motor ☐ Rod ☐ Power Supply

DC Ground Current \_\_\_\_\_ mA

## PUMP PANEL:

Pump Panel Manufacturer \_\_\_\_\_

Short Circuit Device \_\_\_\_\_

☐ Circuit Breaker Mfg: \_\_\_\_\_ Model: \_\_\_\_\_

☐ Fuses

☐ Non-Time Delay Amp Rating \_\_\_\_\_

☐ Time Delay Amp Rating \_\_\_\_\_

Lightning/Surge Protection: ☐ Yes ☐ No

Lightning/Surge Protection: Mfg. \_\_\_\_\_ Model \_\_\_\_\_

Type of Starter ☐ Full Voltage ☐ Soft Start ☐ VFD

Mfr. \_\_\_\_\_ Model \_\_\_\_\_

Setting \_\_\_\_\_ % Full Volt. In \_\_\_\_\_ Sec. (Accel.)

VFD Carrier Frequency: \_\_\_\_\_ kHz

VFD Accel. Time 0 to 30 Hz.: \_\_\_\_\_ Sec. Max. Freq. \_\_\_\_\_ Hz.

VFD Decel. Time 30 to 0 Hz.: \_\_\_\_\_ Sec. Min. Freq. \_\_\_\_\_ Hz.

Volts/Hz. Profile (Linear or non-Linear) \_\_\_\_\_

If Non-Linear, how configured? \_\_\_\_\_

Output filter mfg. \_\_\_\_\_ Type \_\_\_\_\_  
Part # \_\_\_\_\_

## OVERLOAD PROTECTION:

Overload Relay Manufacturer \_\_\_\_\_

Part # \_\_\_\_\_ Model \_\_\_\_\_

Heater \_\_\_\_\_ Part # \_\_\_\_\_

Class \_\_\_\_\_ Range \_\_\_\_\_

If Adjustable, Set at \_\_\_\_\_ amps.

## MP204

Warranty Registration No. \_\_\_\_\_

Current Stop Limits: Max \_\_\_\_\_ A, Min \_\_\_\_\_ A

(Use an R100 or Grundfos GO to view limits - capture full report with fault log):

	War.	Stop
Temp. Limits	____ °C	____ °C
Current War. Limits	____ A	____ A
Voltage Limits	Low High	Low High
Unbalance Limits	____ %	____ %

## Other electronic adjustable device:

MFG: \_\_\_\_\_ Model: \_\_\_\_\_

Overload Set: \_\_\_\_\_

Underload Set: \_\_\_\_\_

## Single phase control box:

MFG: \_\_\_\_\_ Model: \_\_\_\_\_

Start Capacitor: \_\_\_\_\_ - \_\_\_\_\_ mf. Measured value: \_\_\_\_\_

Run Capacitor: \_\_\_\_\_ - \_\_\_\_\_ mf. Measured value: \_\_\_\_\_

Run Capacitor: \_\_\_\_\_ - \_\_\_\_\_ mf. Measured value: \_\_\_\_\_

L-GW-TL-080 | 06/19  
PRINTED IN USA