Submersible Motor Booster Installation Record

Submersible Motor Booster Installation Record

Date _____ /_____ / _____ Filled In By _____ RMA No. _____

Installation

Owner/User _____ Telephone (_____) _____

Address _____ City _____

State_____ Postal Code/Zip_____ Country_____

Installation Site, If Different _____

Contact _____ Telephone (_____) _____

System Application_____

_____

System Manufactured By_____ Model _____ Serial No. _____

System Supplied By_____ City _____

State_____ Postal Code/Zip_____ Country_____

Motor

Model No. _____ Serial No. _____ Date Code _____

Horsepower/kW_____ Voltage _____ ☐ Single-Phase ☐ Three-Phase

Motor Diaphragm Height_____ ☐ in ☐ mm Motor Shaft Height_____ ☐ in ☐ mm

Slinger Removed? ☐ Yes ☐ No Check Valve Plug Removed? ☐ Yes ☐ No Motor Dia. _____in

Does Motor Have a Deionized Fill Solution: ☐ Yes ☐ No

Pump

Manufacturer _____ Model _____ Serial No. _____

Stages _____ Diameter_____ Flow Rate Of _____ GPM At _____TDH

Booster Case Internal Diameter _____ Material Construction _____

Controls and Protective Devices

Subtrol? ☐ Yes ☐ No If Yes, Warranty Registration No._____

If Yes, Overload Set? ☐ Yes ☐ No _____ Set At _____

Underload Sets? ☐ Yes ☐ No _____ Set At _____

Reduced Voltage Starter? ☐ Yes ❑ No If Yes, Type _____

Mfr._____ Starting_____%Full Voltage Ramp up to Full Voltage In _____ Sec.

Variable Frequency Drive? ☐ Yes ☐ No If Yes, Mfr. _____ Model_____

Accel. Time 0 to 30Hz:_____ Sec. Max Freq._____Volt/Hz

Decel. Time 30 to 0Hz:_____ Sec. Min Freq._____Volt/Hz

Volt/Hz Profile: _____

Magnetic Starter/Contactor Mfr. _____ Model _____Size_____

Overload Mfr. _____ Ambient Compensated ☐ Yes ☐ No

Overload Class 10 Rated ☐ Yes ☐ No Htr No._____ If Adjustable Overload Set At_____

Circuit Protection ☐ Fuse ☐ Breaker Mfr._____ Size_____ Type_____

Lightning/Surge Arrestor Mfr. _____ Model _____

Controls Are Grounded to _____ with No. _____ Wire

Submersible Motor Booster Installation Record

Inlet Feed Water Temp Control Required Mfr._____ Model _____

Set At _____ □ °F □ °C Delay_____ Sec.

Inlet Pressure Control Required Ea. Mtr. Mfr._____ Model _____ Set_____ PSI Delay_____ Sec.

Outlet Flow Control Required Ea. Mtr. Mfr_____ Model _____ Set_____ GPM Delay_____ Sec.

Outlet Pressure Control Required Ea. Mtr. Mfr._____ Model _____ Set_____ PSI Delay_____ Sec.

Inlet Flow Control (Optional) If Yes, Mfr._____ Model _____ Set_____ GPM Delay_____ Sec.

Flushing

Is there a flushing cycle? □ Yes □ No

If Yes, Flushing Occurs:

Pre-Operation □ Yes □ No If Yes, _____ Duration in Min. _____ GPM or _____ PSI

Post-Operation □ Yes □ No If Yes, _____ Duration in Min. _____ GPM or _____ PSI

Chemicals □ Yes ❑ No If Yes, list _____

Motor Duty Cycle: Starts Per 24hrs _____Time Between Shutdown & Start-up _____

Insulation Check

Initial Megs: Motor & Motor Lead Only T1_____ T2_____ T3_____

Installed Megs: Motor, Motor Lead, & Cable T1_____ T2_____ T3_____

Motor Phase to Phase Resistance T1-T2 _____ T1-T3 _____ T2-T3_____

Voltage To Motor

Non-Operating: T1-T2_____ T1-T2_____ T2-T3_____

Operating At Rated Flow _____ GPM T1-T2_____ T1-T2_____ T2-T3_____

Operating At Open Flow _____GPM T1-T2_____ T1-T2_____ T2-T3_____

Amps To Motor

Operating At Rated Flow _____ GPM T1 _____ T2 _____ T3 _____

Operating At Open Flow _____GPM T1 _____ T2 _____ T3 _____

Current System Reading

Inlet Pressure _____PSI Outlet Pressure _____ PSI Water Temperature _____ □ °F □ °C

Warranty on three-phase motors is void unless Subtrol or proper quick trip ambient compensated protection is used or all three (3) motor lines.

If you have any questions or problems, call the Franklin Electric Toll-Free Hot Line: 1-800-348-2420

Comments:_____

_____

_____

_____

_____

Please attach a sketch of the system