

Full Booster System Commission Report



SITE INFORMATION:

Job Name _____ Job # _____
Address _____ City _____
Country/State/Zip _____ Date _____
Site Contact _____ Phone or e-mail _____
Distributor Contact: _____ Phone or e-mail _____
Station Make and Model: _____
Station Design: Flow _____ GPM Set-point _____ PSI
Is site prepared for normal demand: ☐ Yes ☐ No (If no owner should be notified additional tuning may be needed later)
Is Flow Being Measured: ☐ Yes ☐ No
Feed pressure: _____

PRE-POWER CHECKS, MECHANICAL:

☐ Pump Bases Secure ☐ Station Base Secure ☐ Panel Stand Secure ☐ Coupling
☐ Connections secure ☐ Gauge and Sensor Assemblies ☐ Leaks

PRE-POWER CHECKS, ELECTRICAL:

Service Disconnect to Station Wire Size _____ Ground Wire Size _____
Breaker/Fuse size: _____

☐ Supply power ampere rating is greater than station FLA. If other equipment is being supplied by the same breaker it must be sized to handle all equipment.

PLC: ☐ Wires Tight ☐ Plug-In Terminal Blocks Secure

Main Disconnect: ☐ Wires Secure ☐ Sized According to FLA ☒ No Cracks/ Damage

Controls: ☐ Terminal Strip Wires Tight ☐ Components Secure

VFD: ☐ Inspect (Remove Cover Visual) ☐ Wiring Tight ☐ Components Secure

Control Transformer: ☐ Proper Voltage (Primary/Secondary) ☐ Wires Tight (Line & Load)

MOTOR NAMEPLATE DATA

	MAKE	S/N	HP	FLA	VOLTS	RPM
#1						
#2						
#3						
#4						

PUMP DATA

	MAKE	Model	S/N	Trim and other Information
#1				
#2				
#3				
#4				

CONTROLS

VFD

	Make	Model	S/N
#1			
#2			
#3			
#4			

OTHER MAJOR COMPONENTS

	Type	Make	Model	S/N
#1				
#2				
#3				
#4				

INITIAL POWER UP

AC Voltage:

A-B _____ B-C _____ A-C _____

A-G _____ B-G _____ C-G _____

☐ Voltage Balanced **Not to Exceed 10% of Station Design Voltage**

Control Voltage: 24 VDC Power Supply Measured Voltage _____

Pump Performance Testing

Each pump at 0 flow, 50% of design flow and full design flow. 1000gpm (P1 and P2 then P3 and P4). 1500 gpm (P1, P2 and P3 then P2, P3 and P4).

[illegible]

Vibration Testing Log Sheet

	MOTOR			PUMP		
Location of Test	X	Y	Z	X	Y	Z
	Velocity ("/sec))	Velocity ("/sec)	Velocity ("/sec))	Velocity ("/sec)	Velocity ("/sec))	Velocity ("/sec)

Function Tests

Does unit stop when there is no demand or minimum speed for closed applications? _____

Does the unit restart once there is a drop in pressure/demand? _____

Do pumps stage and de-stage as needed? _____

Does the unit maintain set point pressure while in demand? _____

Do the pumps alternate? _____

Circle alarms tested **Hi Discharge** **Lo-Discharge** **Hi-Suction** **Lo-Suction** **VFD Fail** **Sensor Fail** **Power Fail**

Other functions tested that are not listed:

ADDITIONAL WORK AND NOTES:

Name (Print): _____

Signature: _____

Date: _____