

Variable Speed Pumping System Pre-Startup Checklist

Project Details			
Job Name:			
Building Address:			
Contractor:			
Site Contact:			
Title:		Site Contact No:	
Wholesaler:		Wholesaler Contact:	
Sales Rep.:		Start-up Date Requested:	

Electricians - please refer to local electrical regulations and supplied VFD & Motor User's Manual for proper installation practices, maximum wire sizes, tightening torques, and electrical warnings prior to installation.

NOTE: Our Start-up service assumes all drives are available for startup at the same day. Extra trips (unless specified or quoted) due to drives NOT being ready will result in extra travel charges.

Variable Speed Drive Type					
Please specify the quantity of customer units requested to be started					
Drive Type	Danfoss FC102				Schneider - Altivar
Pump Type	Booster Package	Vertical Multi-stage	Vertical In-line	Base-mounted	In-line Circulator
QTY					

Scope of Work	
The scope of work of the startup engineer will be to perform the following tasks:	
1	Verify and input the motor nameplate data into the VFD software.
2	Verify that the voltage and current is correct on the phases while stopped, and running under load, if applicable.
3	Check motor rotation.
4	Record Quick Start VFD parameters to meet configuration requirements.
5	Complete start-up checklist and to provide back-up programming to be sent to the Mechanical contractor.
6	Startup will be performed during a single visit unless: <ul style="list-style-type: none"> a. Multiple visits are specified and quoted. b. The quantity of drives to be started is greater than seven (7).

Job Coordination

- Is the jobsite available for shutdown to accommodate the equipment startup?
- Is a 120 Volt AC power source available and operational within 20 feet of the drives for test equipment operation?

Equipment Condition

- Have any of the VFD(s) received any shipping or installation damage?
- Were the drive(s) mounted per the spacing requirements specified in the manual? **Damage caused by restriction of air flow is not covered under warranty.**
- Are the drive(s) in a clean, uncontaminated environment? Do not attempt to operate the drive(s) in a heavy dust environment. **Damage due to contamination is not covered by warranty. Do not attempt to operate the drive with dust covers, Heat damage is not covered by warranty.**

Mechanical Installation

- Have the lines been filled with water so that the pumps can be ran up to 100%?
- For base-mounted pumps, has coupling alignment been completed as per Taco's installation manuals.
- Are isolation (shut-off) valves and/or a by-pass line installed for testing and service purposes?

Electrical Installation

- Have the VFD(s) been electrically wired in accordance with the supplied drive & motor installation manuals and local codes? This includes proper grounding, wiring practices, etc.

Electrical Contractor: _____

Onsite Point of Contact: _____

Cell Phone #: _____

Control Circuitry

- Is the controls contractor's wiring complete and operational for a system's performance test?

Controls Contractor: _____

Onsite Point of Contact: _____

Cell Phone #: _____

Equipment Ready for Startup Confirmation

- I confirm that the above listed equipment will be ready for startup at the time and date agreed upon. All equipment is installed per pump, drive, and motor installation instructions and all local codes. I agree to coordinate the contractors to be present at time of start-up for on-site adjustments. I agree to notify JSA 24 hours prior to the agreed upon startup time and date of any changes to schedule. I accept any additional charges not covered by the service agreement for the startup contract.

Sign when completed

Printed Name _____

Signature _____

Company _____

Phone _____

Please return to:

JSA Sales Inc.

Attn Julian Lucila

E-mail julian@jsales.com

Tel 604.525.4775