

	PRE-STARTUP CHECKLIST				
LOFAB SINCE 1981 UMP SOLUTIONS MANUFACTURER	Quote number:	Date: Y / M / D Send to: service@flofab.com			
CUSTOMER	PROJECT	-			
ADDRESS	ADDRESS				
CONTACT	CONTACT				

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

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

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	VARIABLE SPEED DRIVE TYPE  Please specified the quantity of customer units requested to be started						
DRIVE SYSTE		BOOSTER SYSTEM	CHILLER SYSTEM	BOILER SYSTEM	HEATING/COOLING	LARGE COOLING	OIL SYSTEM
TYPE QTY							
The following check list must be complete prior to Commissioning Engineer's on site. Please mark in appropriate box and add any comment necessary in space provided.							
A	All nuts and bolts are done up to the required torque.						
All components are aligned correctly and to the correct tolerance.							
	To check that the suction and discharge pipe work is accurately aligned to the flanges without anypreload which could cause distortion of the system piping and lead to equipment failure.						
	Check shaft end play allowances as required by the manufacturer to ensure the correct running of theassembly is maintained. Failure to do so may result in equipment failure.						
	Check entire package assembly base securely anchored with foundation bolts of Suitable sizeembedded in the concrete floor.						
	Check entire package assembly base grouted sufficiently substantial to absorb any vibration and to form a rigid support for the base plate.						

## Check that the bearing lubrication is completed as per the manufacturers requirements. Make sure that all guards and fittings are secure and in place.

Check and make sure that any commissioning screens have been removed from the delivery line, andthat there is no debris or rubbish left in the line that could cause damage to the pump or equipment.

Check entire package assembly base level and aligned with all connecting piping and fixtures. Check and set the mechanical seal, as per the manufactures set up requirements, and ensure

Make sure that adequate water is available to the system prior to start-up.

Entire system has been bled of all air.

that theseal quench system is working.

Check that alt electrical work has been completed and signed off by the appropriate people, makingsure that there are no possible safety matters left.

Finally check the direction of rotation of the equipment by a simple bump of the button, to confirm the correct rotation.

Complete the commission check list, replace safety locks and notify the commissioning team that theequipment is ready for start-up.

Make sure the area is left safe and clean and remove any debris left in the area that may be a triphazard in the act of an emergency.

## **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 Flo Fab 1 week 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.

NAME	SIGNATURE	
COMPANY	PHONE	