

ANNEXE B.2

Installation Check List and Request for Commissioning Engineer

Flo Fab / Rep. Office:			Flo Fab Job No:		
Address:			Customer Order No.		
Customer:		Equipment Type:			
Address:					
Model:			S.N. :		
The following check list must be completed prior to Commissioning Engineer's Presence on site. Please mark in the appropriate box and add any necessary remarks in					
space provided.					
			Ε.	ELECTRICAL WIRING	
A. 1.	Flo Fab EQUIPMENT Equipment clean and undam aged.		с.	ELECTRICAL WIRING	
1. 2.	Equipment damaged (Attach report)	H	1.	Main & Control power supply available.	
3.	Loose items available		2.	Wiring completed from main power supply to starter.	H
4.	Unit placed on correctly set A.V. Ms	H	3.	Wiring completed from starter to pump motor (If required).	
		ш	3. 4.	Fusing installed in accordance with Flo Fab instructions (DO NOT OPERATE	Н
В.	WATER PIPING			PUMP MOTOR, FOR ANY REASON)	
1.	Piping installed in the whole system between pumps, chiller,	П	5.	All wiring and earthing fitted in accordance with relevant regulations.	
	boilers, cooling tower, cooling coils, tanks, etc.	-	6.	Incoming supply completed to Control center.	_
2.	Strainers are to be installed as near as possible to the pump		7.	External control wiring completed from Control Center to flow switch(s),	
	inlet with a minimum 40 mesh basket.	_		pump motor starters, BMS, etc. in accordance with approved wiring	
3.	Make-up and fill lines installed to system & operational.			diagram. NOTE: All control wiring to be screened cable as per Flo Fab	
4.	Binder type test points in addition to the pressure			instructions.	
	transducers and gauge connections installed in liquid lines.		8.	Power available and wiring completed to liquid pumps starters and	
5.	Dedicated water flow switch in pump leaving liquid line (all			motors, and the rotation of each checked.	
	units, minimum Wired direct to pump control panel (**) or				
	PD Switch)		F.	SITE CONDITIONS	
6.	All water piping checked for strain – piping should not spring				
	when connections are broken at unit.		1.	Service available for testing equipment	_
7.	Piping leak tested and flushed through bypass loop and		2.	Sufficient load available for testing and operating unit	Ц
	strainers cleaned after flushing. Piping systems filled and	_	3.	Personnel available for final field wiring check	Н
	trapped air vented.		4.	Owners operating personnel available for instruction	
			-	NAMES:	
С.	WATER FLOWRATE(*)		5.	Special Entry requirements, security or safety requirements YES/NO	
1.	Pump water flow rates available to meet pump design			(Details if YES)	
	requirements. Note: Do not apply flow rates above Flo Fab		~		
	design maximum.		G. 1.	WATER TREATMENT Treatment system in place for water	
D.	OTHER PIPING (Where required)		1. 2.	Chilled water/Condenser water quality is satisfactory (*)	
Б.	officient and (where required)		2.	chined water/condenser water quality is satisfactory ()	Ħ
			н.	COOLING TOWER (IF AVAILABLE)	
			1.	Fan Rotation check	
			2.	Cooling Tower sump in clean condition	

GENERAL REMARKS:

*Flo Fab takes no responsibility for inadequate water flows, water quality, or water temperatures

*Do not install flow control orifice plate at the inlet of the pump.

**Flow switch should be installed on straight piping 5 times the pipe dia before and after the flow switch or as approved Flo Fab accepted drawings.

The work detailed above is, in progress and will be completed by

Failure to comply with the recommendations made within the installation, Operational & Maintenance Manual or the above will invalidate the equipment warranty.

With reference to the above contract, we are requesting the presence of a Flo Fab Commissioning Engineer at the job site and agree to meet all charges for aborted, prolonged or repeated site visits made through no fault of Flo Fab inc.

Please complete the above and send pictures of the piping arrangement and/or Balancing report available.



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