



Installation Check List and Request for Commissioning Engineer

Flo Fab / Rep. Office	Flo Fab Job No.:
Address :	Customer Order No.:
Customer :	Equipment Type: Model: S/N.:
Address :	Site:

The following check list must be completed prior to Commissioning Engineer's presence on site. Please mark in appropriate box and add any necessary remarks in space provided.

A Flo Fab EQUIPMENT

1. Equipment clean and undamaged
2. Equipment damaged (attach report)
3. Loose items available
4. Unit placed on correctly set A.V. Ms

B WATER PIPINIG

1. Piping installed in the whole system between pumps, chillers, boilers, cooling tower, cooling coils, tanks,..etc.
2. Strainers are to be installed as near as possible to the pump inlet with a minimum 40 mesh basket.
3. Make-up and fill lines installed to system & operational.
4. Binder type test points in addition to the pressure transducers and gauge connections installed in liquid lines.
5. Dedicated water flow switch in pump leaving liquid line (all units, minimum Wired direct to pump control panel (***) or PD Switch
6. All water piping checked for strain – piping should not spring when connections are broken at unit
7. Piping leak tested and flushed through by pass loop and strainers cleaned after flushing. Piping systems filled and trapped air vented

C WATER FLOWRATE (*)

1. Pump water flow rates available to meet pump design requirements
Note : Do not apply flow rates above Flo Fab design maximums

D OTHER PIPING (Where required)

E ELECTRICAL WRING

1. Main & control power supply available
2. Wiring completed from main power supply to starter
3. Wiring completed from starter to pump motor (if required)
4. Fusing installed in accordance with Flo Fab instructions (DO NOT OPERATE PUMP MOTOR, FOR ANY REASON)
5. All wiring and earthing fitted in accordance with relevant regulations
6. Incoming supply completed to Control center
7. External control wiring completed from Control Center to flow switch(s), pump motor starters, BMS etc., in accordance with approved wiring diagram
NOTE : All control wiring to be in screened cable as per Flo Fab instructions
8. Power available and wiring completed to liquid pumps starters and motors, and the rotation of each checked

F SITE CONDITIONS

1. Service available for testing equipment
2. Sufficient load available for testing and operating unit
3. Personnel available for final field wiring check
4. Owners operating personnel available for instruction NAMES.....
5. Special entry requirements, security or safety requirements YES/NO (Details if YES)

G WATER TREATMENT

1. Treatment system in place for water
2. Chilled water/Condenser water quality is satisfactory (*)

H 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 5times 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 /completed(Delete).....

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 the 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.

Date.....Time.....Site Contact.....

Name (Printed).....Signed.....Position held.....Date.....

	Suction pressure	Discharge pressure	amperage	voltage	L1	L2	L3	Speed rpm taking on the motor
60hz								
50hz								
40hz								
30hz								

Please complete the above and send pictures of the piping arrangement and also send us any balancing report available opt