

Document Name:

- Contractor Quality Control Plan for Chilled Water Unit Installation
- Inspection and Test Plan for Chilled Water Unit Installation

Responsibility				
No.	Item description	CC	TPI	Owner
3.9	Chilled water unit, chemical injection and other packager unit			
3.9.1	Pre-installation check 1) Foundation and anchor bolts	H		
	- Dimension - Visual check 2) Visuals check 3) Identification marking	H		
3.9.2	Installation 1) Orientation 2) Elevation	H		
3.9.3	Assembling layout and arrangement	H		
3.9.4	Leveling and grouting 1) Leveling 2) Grouting (Refer to section 1.2.5 grouting and mortar finishing for foundation)	H		
3.9.5	Tightness of connection and fastening	H		
3.9.6	Pressure vessels 1) PneumaTPI test 2) Internal installation 3) Visual check	H		
3.9.7	Rotating machines 1) Final alignment 2) Visual check 3) Grease and oil for lubrication 4) Free turning 5) Rotating direction	H		
3.9.8	Piping 1) Visual check 2) HydrostaTPI test 3) PneumaTPI test	H		
3.9.9	Electrical 1) Grounding 2) Panels	H		

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	3) Cable connection			
3.9.10	Instrument 1) Visual check 2) Air piping - Pneumatic test - Leak test 3) Loop and function check 4) Regeneration sequence test 5) Function test of controller 6) Function test of protection devices - Alarm - Shut down	H		
3.9.11	Filling volume of filter media	H		
3.9.12	Final visual check	H		
3.10	Truck loading arms (package unit)	H		
3.10.1	Pre-installation check 1) Structure and setting bolts 2) Visuals check 3) Identification marking	H		
3.10.2	Installation 1) Orientation 2) Elevation	H		
3.10.3	Assembling layout & arrangement	H		
3.10.4	Tightness of connection and fastening	H		
3.10.5	Pneumatic test	H		
3.10.6	Function test	H		
3.10.7	Final visual check	H		

CC: Construction Contractor

TPI: Third Party Inspection

H: Hold Point; Hold on the production till TPI Inspector performs inspection and supervise the required test

If you want to use this draft for inspection and test plan, you need to fill the TPI and Owner Column based your project requirement. You may use following abbreviation for filling the columns:

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W: Witness Point; Manufacture shall notify client and TPI Inspector but there is no hold on the Construction;

R: Document Review; Review means Review document, which includes of material test certificates, test reports, records and etc.

A: Approval

SW: Spot Witness; for items with spot witness contractor shall notify TPI inspector as fulfilling the monitoring;