

**Document Name:**

- Contractor Quality Control Plan for Hot Oil Furnace Installation
- Inspection and Test Plan for Hot Oil Furnace Installation

No.	Item description	Responsibility		
		CC	TPI	Owner
<b>3.8</b>	<b>Hot oil furnace (package unit)</b>			
3.8.1	Pre-installation check 1) Foundation and anchor bolts - Dimension - Visual check 2) Visuals check 3) Identification marking	H		
3.8.2	Installation 1) Orientation 2) Elevation	H		
3.8.3	Assembling layout arrangement	H		
3.8.4	Leveling and grouting 1) Leveling 2) Grouting (Refer to section 1.2.5 grouting and mortar finishing for foundation)	H		
3.8.5	Tightness of connection and fastening	H		
3.8.6	Pressure vessels 1) Pneumatic test 2) Internal installation 3) Visual check	H		
3.8.7	Rotating machines 1) Final alignment 2) Visual check 3) Grease and oil for lubrication 4) Free turning 5) Rotating direction	H		
3.8.8	Piping 1) Visual check 2) HydrostaTPI test 3) Pneumatic test	H		
3.8.9	Electrical 1) Grouting 2) Panels	H		

**Document Name:**

- **Contractor Quality Control Plan for Hot Oil Furnace Installation**
- **Inspection and Test Plan for Hot Oil Furnace Installation**

	3) Cable connection			
3.8.10	Instrument 1) Visual check 2) Air piping - PneumaTPI test - Leak test 3) Loop and function check 4) Function test of controller 5) Function test of protection devices - Alarm - Shut down	H		
3.8.11	Filling volume of filter media	H		
3.8.12	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:

**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;