

# Inspection Form for Plate Heat Exchanger Equipment

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Inspection Item	Check Content	Normal Condition Standard	Abnormal?	Description / Suggested Action
Appearance Check	Any deformation or corrosion on the main body	No obvious deformation or corrosion	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Appearance Check	Any signs of leakage (at gasket or joints)	No liquid leakage	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Appearance Check	Base bolts and external connections tight	Firm and tight	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Plate Inspection	Are plates properly aligned, any misalignment?	Plates flat and aligned	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Plate Inspection	Any surface corrosion or cracks	No corrosion or cracks	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Gasket Inspection	Are gaskets aged, off-track, or damaged?	Gaskets fully attached and intact	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Operating Condition	Smooth operation, any abnormal noise or vibration	No unusual noise or vibration	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Connection Area	Are flanges and bolts tightened, any leakage?	Tight and no leakage	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Pressure Check	Is inlet/outlet pressure normal? (Record value)	___ MPa	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
Temperature Check	Is inlet/outlet temperature normal? (Record value)	___ °C	<input type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
Heat Exchange Efficiency	Is the heat transfer performance meeting expectations?	Normal performance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tightening Bolts	Any loose, misaligned or corroded bolts	Evenly tightened, no corrosion	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Cleaning Status	Last cleaning date and condition	__ Year __ Month __ Day	-	Recommended interval: every 6 months
Record Keeping	Are maintenance logs and operation records available?	Complete and updated	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Other	Any other observed issues	/	<input type="checkbox"/> No <input type="checkbox"/> Yes	