

# Piping System Pressure Test Checksheet

Project Name: <b>Checksheets.com</b>	Project Code: <b>CHKSHEETS1</b>
Equipment Tag: -----	System: -----
Discipline: <b>Piping</b>	Location: -----
Contractor: -----	Date: <b>22/01/2026</b>

## 1. Test Information and Prerequisites

Basic test information and prerequisite verifications

#	Activity / Check Item	Response
1	Test pack number assigned and documented <i>Enter test pack identification number</i>	
2	System description and service identified <i>Describe system service and function</i>	
3	P&ID numbers with test limits clearly marked attached <i>Test boundaries must be clearly defined on P&amp;IDs</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
4	Isometric drawings complete and attached <i>All relevant isometrics for test scope</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
5	Mechanical completion checksheet verified complete <i>Piping installation must be mechanically complete</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail

## 2. Pre-Test Preparation

Pre-test preparation and safety requirements

#	Activity / Check Item	Response
6	System isolation completed and verified <i>All isolation points identified and secured</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
7	Test blinds installed where required <i>Temporary blinds for test isolation</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
8	Flange bolting torqued to specification <i>Flange tightening records must be complete</i> <b>Ref. Per flange specification and bolt torque procedure</b>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
9	System venting and draining provisions confirmed <i>High point vents and low point drains accessible</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
10	Test medium quality verified suitable <i>Water quality meets project requirements</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
11	System filled and air vented completely <i>All air must be vented from system</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail

### 3. Test Equipment and Calibration

Test equipment verification and calibration records

#	Activity / Check Item	Response
12	Primary test gauge serial number recorded <i>Record gauge identification</i>	
13	Primary test gauge calibration current <i>Calibration certificate within validity period</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
14	Secondary test gauge serial number recorded <i>Backup gauge if used</i>	
15	Secondary test gauge calibration current <i>If secondary gauge is used</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
16	Pressure recorder serial number recorded <i>Chart recorder identification</i>	
17	Pressure recorder calibration current <i>Recorder calibration certificate valid</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail

### 4. Test Parameters and Execution

Test parameters, execution, and monitoring

#	Activity / Check Item	Response
18	Design pressure (MAWP) recorded <i>Enter value in BarG</i>	
19	Test pressure calculated and recorded <i>Typically 1.5 x MAWP, enter value in BarG</i>	
20	Test date recorded <i>Date of pressure test execution</i>	
21	Ambient temperature recorded <i>Temperature in degrees Celsius</i>	
22	Test medium temperature recorded <i>Test water temperature in degrees Celsius</i>	
23	System pressurized gradually to test pressure <i>Gradual pressurization to avoid shock loading</i> <i>Ref. Per approved test procedure</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
24	Test pressure held for required duration <i>Minimum hold time per project specification</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
25	Test duration recorded <i>Record actual hold time (hours:minutes)</i>	

### 5. Leak Detection and Inspection

Leak detection activities and visual inspections

#	Activity / Check Item	Response
26	Visual inspection of all flanged joints completed <i>Check for external leakage at all flanged connections</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail
27	Visual inspection of welded joints completed <i>Check for signs of leakage at weld seams</i>	<input type="checkbox"/> Pass   <input type="checkbox"/> N/A   <input type="checkbox"/> Fail

28	Visual inspection of valve packing completed <i>Check valve stem packing for leakage</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
29	Visual inspection of pipe supports completed <i>Check for signs of movement or failure</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
30	No visible leaks detected during test <i>System must be leak-free to pass test</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
31	Pressure drop within acceptable limits <i>Pressure loss must not exceed specification</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

## 6. Post-Test Activities and Documentation

Post-test activities, documentation, and system restoration

#	Activity / Check Item	Response		
32	Pressure recorder chart attached <i>Complete test pressure chart attached to record</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
33	Test gauge calibration certificates attached <i>Current calibration certificates for all gauges</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
34	System depressurized safely <i>Controlled depressurization following procedure</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
35	System drained completely <i>All test water removed from system</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
36	Test blinds removed where applicable <i>Temporary test blinds removed</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
37	System dried and preserved if required <i>For systems requiring preservation</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail
38	Punchlist items identified and recorded <i>Any deficiencies noted for correction</i>			
39	Test results meet acceptance criteria <i>Overall test acceptance based on all criteria</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pass	N/A	Fail

Prepared By:

Reviewed By:

Approved By:

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

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

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