



QASF Co. Ltd.

DOCUMENT COVER PAGE

Road No. 12,
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Document Title **DIRECT PRESSURE LEAK TEST**

Document Number **STD-02**

Included Forms **Pressure Test Report**

Department **Engineering**

Type **Procedure**

Revision **0**

Date **10 Jan 2021**

Responsible person(s) **Engineering Manager**

APPROVAL

NAME: _____

POSITION: _____

SIGN: _____

DATE: _____



DIRECT PRESSURE LEAK TEST

1 INTRODUCTION

- 1.1 This procedure describes the control methods for Direct Pressure Leak Testing of components.
- 1.2 The Workshop Foreman shall be responsible to prepare and perform the test in accordance with this procedure.
- 1.3 The QC Inspector shall monitor the test and record the results.

2 REVISIONS

Rev.	Date	Nature of Changes	Approved By
0	10.1.21	Issued for Use	SRF

3 PROCEDURE

- 3.1 The QC Inspector shall check and verify the identification marking on vessels or components to be inspected.
- 3.2 Air will be used for the test.
- 3.3 The detecting Bubble Solution shall produce a film that does not break away from the area to be tested, and the bubbles formed shall not break rapidly due to air drying or low surface tension.
- 3.4 The surface of the part to be examined shall be between 5°C and 50°C.
- 3.5 Direct visual examination access should be approximately 600 mm, or less, from the test area and at an angle not less than 30 deg to the surface to be examined. The minimum light intensity at the test area shall be 1000 Lux.
- 3.6 The Air supply shall be connected to the vessel or component.
- 3.7 The pressure shall be increased to the required pressure and held for 15 minutes prior to inspection.
- 3.8 The bubble solution shall be applied to the surface to be tested by flowing, spraying, or brushing. The number of bubbles produced in the solution by application should be minimized to reduce the problem of masking bubbles caused by leakage.
- 3.9 If a leak is observed, the location of the leak(s) shall be marked. The component shall then be depressurized, and the leak repaired as required by the referencing Code Section. After repairs it shall be retested in accordance with this Procedure.



4 FORMS

Pressure Test Report

 QASF Co. Ltd.	PRESSURE TEST REPORT	Road No. 12, Dong Xuyen Industrial Park, Rach Dua ward, Vung Tau City, Vietnam. Tel/Fax : +84 64 614299
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Report No:

<i>Client:</i>				
<i>Equipment Name:</i>				
<i>Project No:</i>				
<i>Serial No:</i>		<i>Ref. Drawing No.:</i>		

TEST DATA (Engineer)

<i>Test Procedure:</i>				<i>Test Date:</i>
<i>Design Pressure:</i>				<i>Test Position:</i>
<i>Test Pressure:</i>				
<i>Type of Test:</i>	Hydrostatic Test		Test Medium: Water	
<i>Pressure Gauges:</i>	Tag No.:	Range:	Certificate No.:	Calibration Due Date

TEST DETAIL (QC Inspector)

<i>Test Pressure:</i>	
<i>Test Temperature:</i>	
<i>Holding Time:</i>	
<i>Pressure for Inspection:</i>	
<i>Visual Inspection:</i>	
<i>Test Result:</i>	
<i>Comments:</i> 	

	NAME	SIGN	DATE
Prepared by Engineer			
Witnessed by QC Inspector			
Approved by QC Manager			
Reviewed by A.I. (ASME Only)			