



## Hydrostatic Test

### 1. Scope

This procedure defines the hydrostatic test performed at Moriya Plant, by the Compressor Manufacturing Division.

### 2. Hydrostatic test

#### 2.1 Test Procedure

After assembling the compressor, it is filled with refrigeration oil.

The hydrostatic test is performed under the conditions shown in Table-1 for 30 minutes.

Table-1

Design pressure	2.6MPaG
Test pressure	3.9MPaG

Note: Two pressure gauges are used.

The test pressure is 1.5 times the design pressure.

The fluid used for the hydrostatic test is lubrication oil VG32 as standard.

### 3. Acceptance Criteria

The acceptance criterion is a visual inspection to ensure there are no distortions and leakages.

### 4. Records

The test results are recorded in Appendix-1:Hydrostatic & Pneumatic Tests Report.

[Appendix-1] **SAMPLE**

Hydrostatic &amp; Pneumatic Tests Report

**MYCOM**

Report No. 0

**Hydrostatic & Pneumatic Tests Report**

<b>Name of Client</b>	
<b>Type of Compressor</b>	<b>Screw Compressor</b>
<b>Compressor Model No.</b>	<b>0</b>
<b>Compressor Serial No.</b>	<b>0</b>

**TEST RECORD**

Item	Design Pressure MPaG	Test Pressure MPaG	Used Fluid	Hold Time(Min)	Tested Date	Judgment
Hydrostatic test	2.6	3.9	OIL	30	March 13, 2012	Accepted
Pneumatic Pressure test	2.6	2.6	Air	30	December 31, 2012	Accepted

**USED PRESSURE GAUGES**

Item	Dia × Max. Pres. MPa.G	Manufacturer	Class(JIS)	No.
Hydrostatic test	φ 100 × 5.0	NAGANO	1.5	1, 2
Pneumatic Pressure test	φ 100 × 3.5	NAGANO	1.5	3, 4

Note :

MYCOM Control No.

AA-5.0100

AA-5.0103

3, AA-3.5001

4, AA-3.5002

SURVEYOR

Checked by : \_\_\_\_\_

Approved by : \_\_\_\_\_

MAYEKAWA MFG. CO.,LTD Moriya Plant