

## TEST REPORT

REPORT NO. :	2015MA0334	PAGE:	1 OF 15
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Applicant : NEWFLO CORPORATION SDN. BHD.  
No. 4 & 6, Jalan Balakong Jaya 4,  
Taman Industri Balakong Jaya,  
Selangor Darul Ehsan.

Manufacturer : SINPRO (DEZHOU) INDUSTRIES CO., LTD.  
No. 1, Industrial Park Road, Ningjin Town,  
Shangdong Province, 253400 P. R of China.

Product : Metallic Butterfly Valves, Gate Valves & Flexible Rubber Expansion Joint.

Reference Standard/ : a) BS EN 12266-1: 2012 – Industrial Valves – Testing of Metallic Valves -  
Part 1. Pressure Tests for Metallic Butterfly Valves.  
b) BS EN 12266-1: 2012 – Industrial Valves – Testing of Metallic Valves –  
Part 1. Pressure Tests for Gate Valves.  
c) Manufacturer's Specification (Pressure test accordance to BS EN 12266-  
1: 2012 - for Flexible Rubber Expansion Joint).

Method of test : Pressure Test

Description of sample/ Description of Test Specimen : Brand : AFA  
Model : Refer from page 3 to page 15  
Quantity: One (1) unit

Date Received of Complete Application : 29 May 2015

Job No. : J20151390340

Description of Test Results/ Overall Test Result : The test results for the submitted test samples as described in this test report complied with the requirements of the above reference standard.

Issued date : 03 JUL 2015

Approved Signatory

(MOHD AZLAN BIN MUSTAFFA)  
Senior Technical Executive



(MOHD FAIZAR BIN MUSTAFFA)  
Head

Mechanical & Automotive Section (MAST)  
Testing Services Department

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Photograph of test sample  
(Double Flanged Gate Valves)





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**Product: Gate Valve**

**Model: DN50 ~ DN300**

**Type: Double flanged**

**Basic series: 3**

DN	Pressure (bar)		Duration (minute)		Results
	Body	Seat (both side)	Body	Seat (both side)	
50	24	17.6	10	10	No leakage observed.
65	24	17.6	10	10	No leakage observed.
80	24	17.6	10	10	No leakage observed.
100	24	17.6	10	10	No leakage observed.
125	24	17.6	10	10	No leakage observed.
150	24	17.6	10	10	No leakage observed.
200	24	17.6	10	10	No leakage observed.
250	24	17.6	10	10	No leakage observed.
300	24	17.6	10	10	No leakage observed.



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Photograph of test samples  
(Butterfly valve – Wafer type)



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**Product: Butterfly Valve**

**Model: DN50 ~ DN300**

**Type: Wafer design**

**Basic series: 20**

**Operated by: Handle lever**

DN	Pressure (bar)		Duration (minute)		Results
	Body	Seat (both side)	Body	Seat (both side)	
50	24	17.6	10	10	No leakage observed.
65	24	17.6	10	10	No leakage observed.
80	24	17.6	10	10	No leakage observed.
100	24	17.6	10	10	No leakage observed.
125	24	17.6	10	10	No leakage observed.
150	24	17.6	10	10	No leakage observed.
200	24	17.6	10	10	No leakage observed.
250	24	17.6	10	10	No leakage observed.
300	24	17.6	10	10	No leakage observed.

**Model: DN250 & DN300**

**Type: Wafer design**

**Basic series: 20**

**Operated by: Hand-wheel with worm gear**

DN	Pressure (bar)		Duration (minute)		Results
	Body	Seat (both side)	Body	Seat (both side)	
250	24	17.6	10	10	No leakage observed.
300	24	17.6	10	10	No leakage observed.





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Photograph of test samples  
(Butterfly valve – Lug type)



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**Product: Butterfly Valve**

**Model: DN50 ~ DN300**

**Type: Lug design**

**Basic series: 20**

**Operated by: Handle lever**

DN	Pressure (bar)		Duration (minute)		Results
	Body	Seat (both side)	Body	Seat (both side)	
50	24	17.6	10	10	No leakage observed.
65	24	17.6	10	10	No leakage observed.
80	24	17.6	10	10	No leakage observed.
100	24	17.6	10	10	No leakage observed.
125	24	17.6	10	10	No leakage observed.
150	24	17.6	10	10	No leakage observed.
200	24	17.6	10	10	No leakage observed.
250	24	17.6	10	10	No leakage observed.
300	24	17.6	10	10	No leakage observed.

**Model: DN250 & DN300**

**Type: Wafer design**

**Basic series: 20**

**Operated by: Hand-wheel with worm gear**

DN	Pressure (bar)		Duration (minute)		Results
	Body	Seat (both side)	Body	Seat (both side)	
250	24	17.6	10	10	No leakage observed.
300	24	17.6	10	10	No leakage observed.



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Photograph of test samples  
(Flexible Rubber Expansion Joint – 99SF [Single Sphere Flanged])





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**Product: Flexible Rubber Expansion Joint**

**Model: DN50 ~ DN300**

**Type: 99 SF (Single Sphere Flanged)**

DN	Pressure (bar)	Duration (minute)	Results
	Body		
50	24	10	No leakage observed.
65	24	10	No leakage observed.
80	24	10	No leakage observed.
100	24	10	No leakage observed.
125	24	10	No leakage observed.
150	24	10	No leakage observed.
200	24	10	No leakage observed.
250	24	10	No leakage observed.
300	24	10	No leakage observed.



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Photograph of test samples  
(Flexible Rubber Expansion Joint - 100 SF-M [Single Sphere Flanged])





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**Product: Flexible Rubber Expansion Joint**

**Model: DN50 ~ DN300**

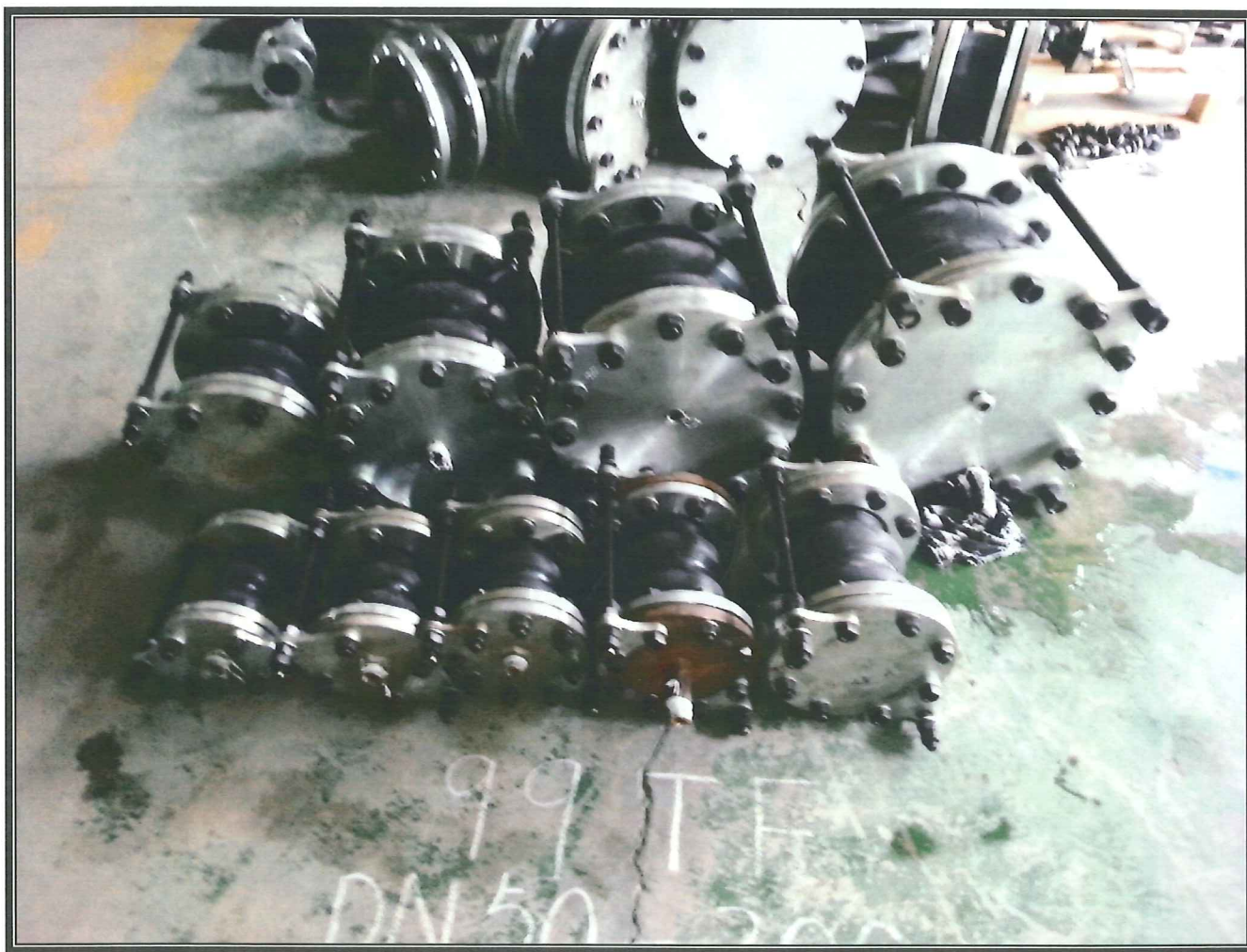
**Type: 100 SF-M (Single Sphere Flanged)**

DN	Pressure (bar)	Duration (minute)	Results
	Body		
50	24	10	No leakage observed.
65	24	10	No leakage observed.
80	24	10	No leakage observed.
100	24	10	No leakage observed.
125	24	10	No leakage observed.
150	24	10	No leakage observed.
200	24	10	No leakage observed.
250	24	10	No leakage observed.
300	24	10	No leakage observed.



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Photograph of test samples  
(Flexible Rubber Expansion Joint - 99 TF [Twin Sphere Flanged])





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**Product: Flexible Rubber Expansion Joint**

**Model: DN50 ~ DN300**

**Type: 99 TF (Twin Sphere Flanged)**

DN	Pressure (bar)	Duration (minute)	Results
	Body		
50	24	10	No leakage observed.
65	24	10	No leakage observed.
80	24	10	No leakage observed.
100	24	10	No leakage observed.
125	24	10	No leakage observed.
150	24	10	No leakage observed.
200	24	10	No leakage observed.
250	24	10	No leakage observed.
300	24	10	No leakage observed.



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Photograph of test samples  
(Flexible Rubber Expansion Joint - 99 TU (Twin Sphere Union – Screw End))





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**Product: Flexible Rubber Expansion Joint**

**Model: DN50 ~ DN300**

**Type: 99 TU (Twin Sphere Union – Screw End)**

DN	Pressure (bar)	Duration (minute)	Results
	Body		
50	24	10	No leakage observed.
65	24	10	No leakage observed.
80	24	10	No leakage observed.
100	24	10	No leakage observed.
125	24	10	No leakage observed.
150	24	10	No leakage observed.
200	24	10	No leakage observed.
250	24	10	No leakage observed.
300	24	10	No leakage observed.

