

## Summary of Test Results

Reference no. : BC-SUMMARY-2021-118

Customer : Waterfront Fluid Controls Ltd.


Address : Flat B2, 4/F., Galaxy Factory Building, 25-27 Luk Hop Street, San Po Kong, Kowloon, H. K.

Sample description : Rubber Joint, Union End

Nominal pressure (PN) : 16

Manufacturer : Waterfront Fluid Controls Ltd.

Brand name : Waterfront

Body marking : (Size) WRU 

Model no. : WRU

Origin : Indonesia

Sample submitted by : Waterfront Fluid Controls Ltd.

Test standard : BS EN 12266-1 : 2012

Test period : 21 June 2021

## A) Sample List

DN (mm)	Inch	Specimen no.
20	3/4"	210622-2079-001
25	1"	210622-2079-002
32	1-1/4"	210622-2079-003
40	1-1/2"	210622-2079-004
50	2"	210622-2079-005

## B) Test Item

## 1) Dimensions Check (In-house method based on Manufacturer requirement)

DN (mm)	Inch	Test results	Castco LRN
20	3/4"	Passed	210622-2079
25	1"	Passed	
32	1-1/4"	Passed	
40	1-1/2"	Passed	
50	2"	Passed	

## 2) Shell Tightness to Internal Pressure (BS EN 12266-1 : 2012 Clause 4)

DN (mm)	Inch	Test results	Castco LRN
20	3/4"	Passed	210622-2079
25	1"	Passed	
32	1-1/4"	Passed	
40	1-1/2"	Passed	
50	2"	Passed	

Prepare by : \_\_\_\_\_  
Date : 22 June 2021

  
FU HO MAN  
Assistant Technical Manager
Review by : \_\_\_\_\_  
Date : 22 June 2021

  
WONG KA MAN  
Senior Manager

Test Report  
Flexible Joints - Dimensions  
(In-house method VAL-STRAINER-DIM)

Date of issue : 22 June 2021

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Castco LRN : 210622-2079

**Details as supplied by customer**

Customer : Waterfront Fluid Controls Ltd.

Customer's ref. no. : - -

Address : Flat B2, 4/F., Galaxy Factory Building, 25-27 Luk Hop Street, San Po Kong, Kowloon, H. K.

Contract no. : - -


Job title : - -

Sample description : Rubber Joint, Union End

Nominal pressure (PN) : 16

Manufacturer : Waterfront Fluid Controls Ltd.

Brand name : Waterfront

Body marking : (Size) WRU 

Model no. : WRU

Origin : Indonesia

Sample submitted by : Waterfront Fluid Controls Ltd.

**Laboratory test results**

Date of sample received : 21 June 2021

Date of test : 21 June 2021

Specimen no.		210622-2079-001	210622-2079-002	210622-2079-003	210622-2079-004	210622-2079-005
DN (mm)		20	25	32	40	50
Inch		3/4"	1"	1-1/4"	1-1/2"	2"
A (mm)	Measured mean value	23.65	29.89	38.91	44.79	56.38
	Manufacturer requirement	22	25	32	38	51
L (mm)	Measured mean value	205	205	205	205	210
	Manufacturer requirement	203	203	203	203	203

## Remark(s) :

1. Test results relate only to the specimen tested.

Checked by :



**FU HO MAN**  
Assistant Technical Manager

Approved Signatory :



**WONG KA MAN**  
Senior Manager

Test Report

Metallic Valves - Shell and Seat Tightness  
(BS EN 12266-1 : 2012 Annex A3 and A4)

Date of issue : 22 June 2021

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Castco LRN : 210622-2079

Details as supplied by customer

Customer : Waterfront Fluid Controls Ltd.

Customer's ref. no. : - -

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Contract no. : - -


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Sample description : Rubber Joint, Union End

Nominal pressure (PN) : 16

Manufacturer : Waterfront Fluid Controls Ltd.

Brand name : Waterfront

Body marking : (Size) WRU 

Model no. : WRU

Origin : Indonesia

Sample submitted by : Waterfront Fluid Controls Ltd.

Laboratory test results

Date of sample received : 21 June 2021

Date of test : 21 June 2021

A) Shell Tightness

Specimen no.	210622-2079-001	210622-2079-002	210622-2079-003	210622-2079-004	210622-2079-005
DN (mm)	20	25	32	40	50
Inch	3/4"	1"	1-1/4"	1-1/2"	2"
Water temperature (°C)	25.0	25.0	25.0	25.0	25.0
Apply pressure (bar)	24	24	24	24	24
Test duration (s)	60	60	60	60	60
Visually detectable leakage	No	No	No	No	No
Requirement	Visually detectable leakage is not permitted				

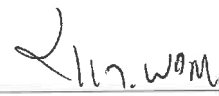
Remark(s) :

1. Test results relate only to the specimen tested.
2. Test results of sample comply with the requirement of BS EN 12266-1 : 2012 Clause 4 (effect of measurement uncertainty has not been taken into account).

Checked by :

 **FU HO MAN**  
Assistant Technical Manager

Certified by :

 **WONG KA MAN**  
Senior Manager

Test Report  
Flexible Joints - Dimensions  
(In-house method VAL-STRAINER-DIM)

Date of issue : 22 June 2021

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Castco LRN : 210622-2079

Appendix A



210622-2079-001



210622-2079-002



210622-2079-003



210622-2079-004



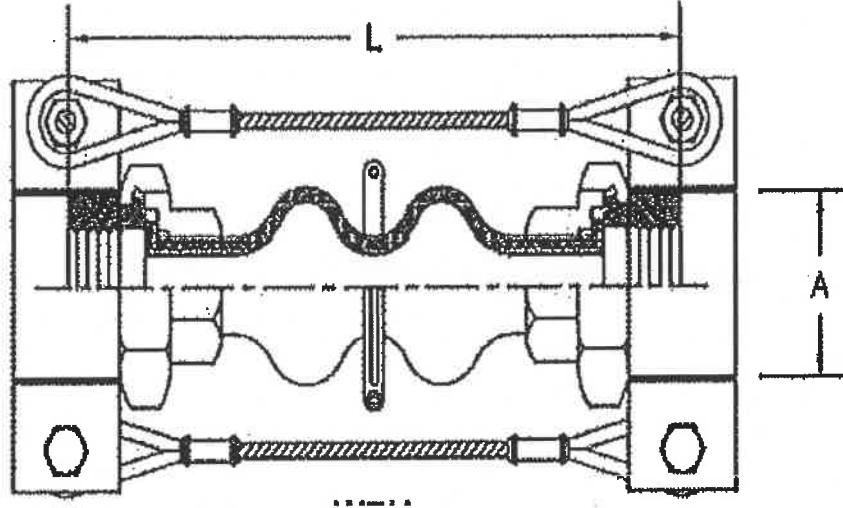
210622-2079-005

Test Report  
 Flexible Joints - Dimensions  
 (In-house method VAL-STRAINER-DIM)

Date of issue : 22 June 2021  
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Castco LRN : 210622-2079

Appendix B



Dimensions Figure

End of Report