

Summary of Test Results

Reference no. : DP-SUMMARY-2016-45

Customer : Waterfront Fluid Controls Ltd.
Address : Flat A2, 4/F., Galaxy Factory Bldg., 25-27 Luk Hop Street, San Po Kong, Kowloon
Sample description : Rubber Connector, Twin Sphere, PN16 Flange Ends
Nominal pressure (PN) : 16
Manufacturer : Waterfront Fluid Controls Ltd.
Brand name : Waterfront
Body marking : WRT 16 bar
Model no. : WRT
Origin : Indonesia
Sample submitted by : Waterfront Fluid Controls Ltd.
Test standard : BS EN 12266-1 : 2012
Test period : 29 to 31 March 2016

A) Sample List

DN	Inch	Specimen no.
32	1-1/4"	DP0160218-100
40	1-1/2"	DP0160218-101
50	2"	DP0160218-102
65	2-1/2"	DP0160218-103
80	3"	DP0160218-104
100	4"	DP0160218-105
125	5"	DP0160218-106
150	6"	DP0160218-107
200	8"	DP0160218-108
250	10"	DP0160218-109
300	12"	DP0160218-110

B) Test Item

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

DN	Inch	Test results	Castco LRN
32	1-1/4"	Passed	DP0160218-099 DIM
40	1-1/2"	Passed	
50	2"	Passed	
65	2-1/2"	Passed	
80	3"	Passed	
100	4"	Passed	
125	5"	Passed	
150	6"	Passed	
200	8"	Passed	
250	10"	Passed	
300	12"	Passed	

Test Report
Dimensions Check of Rubber Connector
(In-house method)

Date of issue : 05 October 2016

Page 1A of 9 page(s)

Castco LRN : DP0160218-099 DIM

Details as supplied by customer

Customer : Waterfront Fluid Controls Ltd.

Customer's ref. no. : - -

Address : Flat A2, 4/F., Galaxy Factory Bldg., 25-27 Luk Hop Street, San Po Kong, Kowloon

Contract no. : - -

Job title : - -

Sample description : Rubber Connector, Twin Sphere, PN16 Flange Ends

Nominal pressure (PN) : 16

Manufacturer : Waterfront Fluid Controls Ltd.

Brand name : Waterfront

Body marking : WRT 16 bar

Model no. : WRT

Origin : Indonesia

Sample submitted by : Waterfront Fluid Controls Ltd.

Laboratory test results

Date of sample received : 18 February 2016

Date of test : 29 March 2016

Specimen no.	DP01602 18-100	DP01602 18-101	DP01602 18-102	DP01602 18-103	DP01602 18-104	DP01602 18-105	DP01602 18-106	DP01602 18-107	DP01602 18-108	DP01602 18-109	DP01602 18-110	
DN	32	40	50	65	80	100	125	150	200	250	300	
Inch	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	
A (mm)	Measured mean value	40	41	49	65	72	100	121	140	192	238	291
	Manufacturer requirement	32	38	50	63	75	100	127	152	203	254	305
L (mm)	Measured mean value	174	176	180	175	177	229	235	230	330	330	330
	Manufacturer requirement	175	175	175	175	175	229	229	229	330	330	330

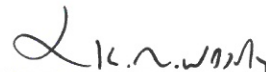
Remark(s) :

1. Test results relate only to the specimen tested.
2. This page no. 1A of test report supersedes page no. 1 of the previous test report of Castco LRN : DP0160218-099 DIM issued on 07 May 2016.

Checked by : _____


FU HO MAN
Assistant Technical Officer

Certified by : _____


WONG KA MAN
Laboratory Manager

Test Report
Hydrostatic Strength Test of Rubber Connector
(BS EN 12266-1 : 2012 Clause 4 Annex A)

Date of issue : 05 October 2016

Page 2A of 9 page(s)

Castco LRN : DP0160218-099 HYD

Details as supplied by customer

Customer : Waterfront Fluid Controls Ltd.

Address : Flat A2, 4/F., Galaxy Factory Bldg., 25-27 Luk Hop Street, San Po Kong, Kowloon

Job title : - -

Customer's ref. no. : - -

Contract no. : - -

Sample description : Rubber Connector, Twin Sphere, PN16 Flange Ends

Nominal pressure (PN) : 16

Manufacturer : Waterfront Fluid Controls Ltd.

Brand name : Waterfront

Body marking : WRT 16 bar

Model no. : WRT

Origin : Indonesia

Sample submitted by : Waterfront Fluid Controls Ltd.

Laboratory test results

Date of sample received : 18 February 2016

Date of test : 31 March 2016

A. Shell Tightness (BS EN 12266-1 : 2012 Annex A.3)

Specimen no.	DN	Inch	Apply pressure (bar)	Test duration (s)	Visually detectable leakage	Test results	Requirement
DP0160218-100	32	1-1/4"	24	60	No	Passed	Visually detectable leakage is not permitted
DP0160218-101	40	1-1/2"	24	60	No	Passed	
DP0160218-102	50	2"	24	60	No	Passed	
DP0160218-103	65	2-1/2"	24	60	No	Passed	
DP0160218-104	80	3"	24	60	No	Passed	
DP0160218-105	100	4"	24	60	No	Passed	
DP0160218-106	125	5"	24	60	No	Passed	
DP0160218-107	150	6"	24	60	No	Passed	
DP0160218-108	200	8"	24	120	No	Passed	
DP0160218-109	250	10"	24	120	No	Passed	
DP0160218-110	300	12"	24	120	No	Passed	

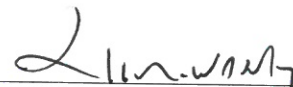
Remark(s) :

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 Annex A.
3. This page no. 2A of test report supersedes page no. 2 of the previous test report of Castco LRN : DP0160218-099 HYD issued on 07 May 2016.

Checked by : _____


FU HO MAN
Assistant Technical Officer

Certified by : _____


WONG KA MAN
Laboratory Manager

End of Report