

Test Report  
Dimensions Check of Gate Valves  
(BS 5154 : 1991 Clause 8 Table 5, 7 and 8)

Date of issue : 20 September 2017

Page 1 of 5 page(s)

Castco LRN : BC0170725-002-MISL

Details as supplied by customer

Customer : Gate Way Valve &amp; Fitting Ltd.

Customer's ref. no. : - -

Address : Flat A1, 4/F., Galaxy Factory Building, 25-27 Luk Hop Street, San Po Kong, Kowloon, H. K. Contract no. : - -

Job title : - -

Sample description : Bronze Gate Valve with Screw End

Nominal pressure (PN) : 63

Manufacturer : Kitz (Thailand) Ltd.

Brand name : Toyo

Body marking : RED WHITE TOYO (Size in Inch) 300S 1000WOG

Model no. : Fig. 318A

Origin : Thailand

Sample submitted by : Gate Way Valve &amp; Fitting Ltd.

Laboratory test results

Date of sample received : 25 July 2017

Date of test : 31 August 2017

Specimen no.		BC0170725-003-MISL	BC0170725-004-MISL	BC0170725-005-MISL
DN (mm)		15	25	50
Inch		1/2"	1"	2"
Outside diameter of sealing face (mm)	Measured mean value	29	44	74
	Requirement	min. 26	min. 39	min. 68
Stem diameter (mm)	Measured mean value	9.43	10.44	13.46
	Requirement	min. 6.5	min. 8.5	min. 12.0
Wall thickness (mm)	Measured mean value	2.21	2.48	3.07
	Requirement	min. 1.7	min. 2.0	min. 2.5

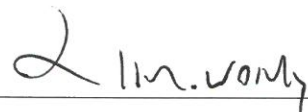
## Remark(s) :

1. Test results relate only to the specimen tested.
2. Test results of sample comply with the requirement of BS 5154 : 1991 Clause 8 Table 5, 7 and 8.
3. The thread connections are suitable for BS EN 10226 (BS 21).

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


**FU HO MAN**  
Assistant Technical Officer

Certified by : \_\_\_\_\_


**WONG KA MAN**  
Senior Manager

Test Report

Hydrostatic Strength Test of Gate Valves

(BS EN 12288 : 2010 Clause 4.3.3 and 4.3.4 / BS EN 12266-1 : 2012 Clause 4 Annex A)

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Body marking : RED WHITE TOYO (Size in Inch) 300S 1000WOG

Model no. : Fig. 318A

Origin : Thailand

Sample submitted by : Gate Way Valve & Fitting Ltd.

Laboratory test results

Date of sample received : 25 July 2017

Date of test : 31 August 2017

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

Specimen no.	DN (mm)	Inch	Apply pressure (bar)	Test duration (s)	Visually detectable leakage	Requirement	Test results
BC0170725-003-MISL	15	1/2"	94.5	60	No	Visually detectable leakage is not permitted	Passed
BC0170725-004-MISL	25	1"	94.5	60	No		Passed
BC0170725-005-MISL	50	2"	94.5	60	No		Passed

B. Seat Tightness (BS EN 12266-1 : 2012 Annex A.4)

Specimen no.	DN (mm)	Inch	Side	Apply pressure (bar)	Test duration (s)	Visually detectable leakage	Leakage rates (m <sup>3</sup> /s)	Requirement	Test results
BC0170725-003-MISL	15	1/2"	A	69.3	60	No	0	The leakage rate shall not exceed specified in BS EN 12266-1 : 2012 Annex A.4.3 Table A.5	Passed
			B	69.3	60	No	0		
BC0170725-004-MISL	25	1"	A	69.3	60	No	0		Passed
			B	69.3	60	No	0		
BC0170725-005-MISL	50	2"	A	69.3	60	No	0		Passed
			B	69.3	60	No	0		

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.

Checked by : **FU HO MAN**  
Assistant Technical Officer

Certified by : **WONG KA MAN**  
Senior Manager

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Appendix A



BC0170725-003-MISL(1)



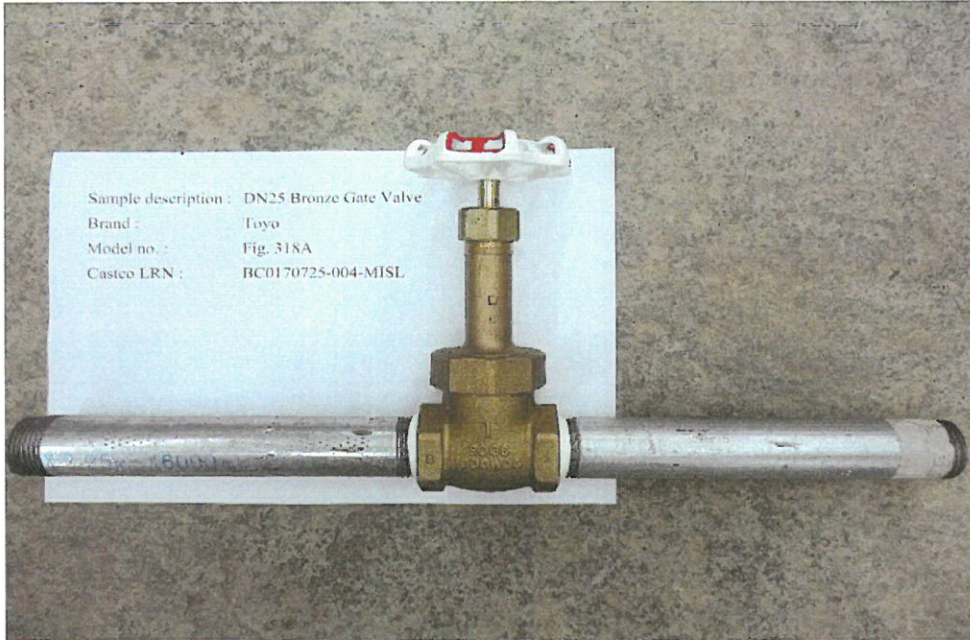
BC0170725-003-MISL(2)

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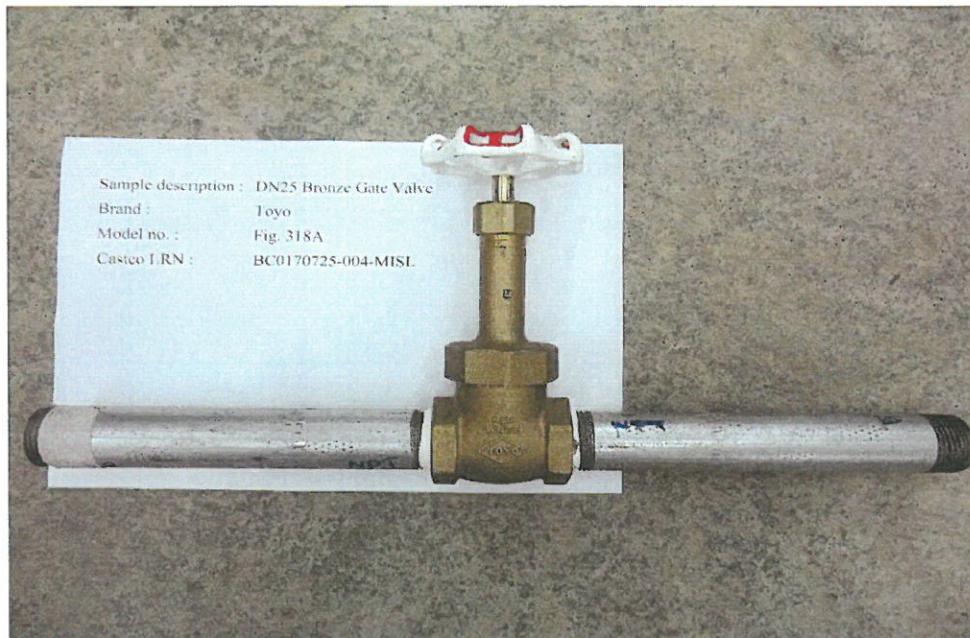
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Appendix B



BC0170725-004-MISL(1)



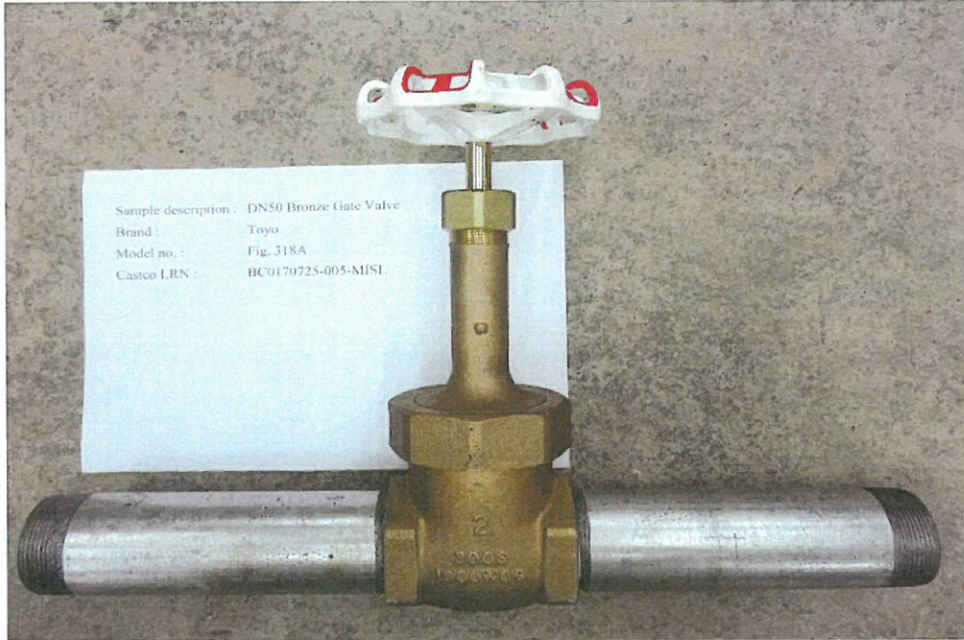
BC0170725-004-MISL(2)

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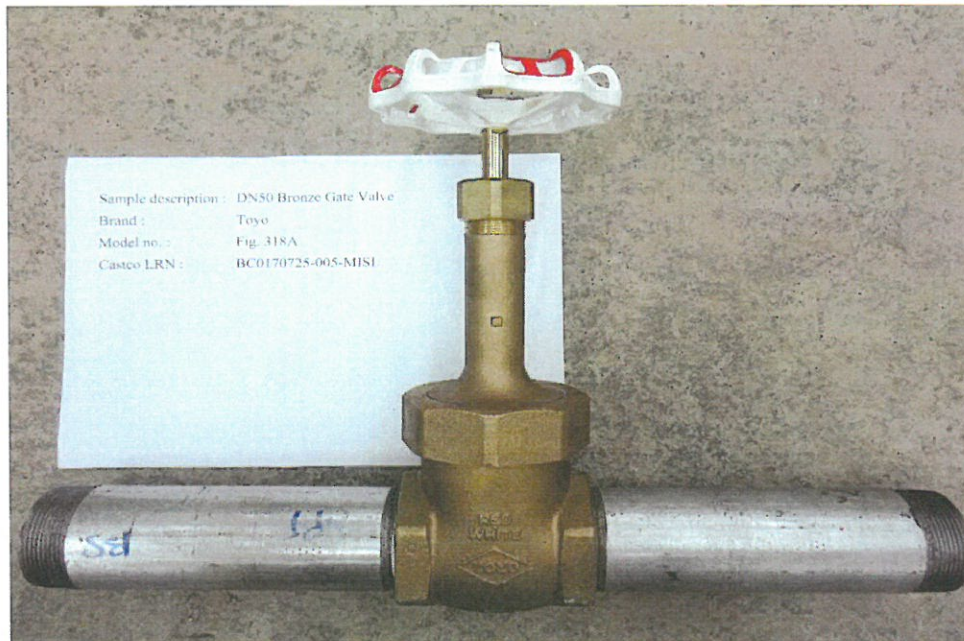
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Appendix C



BC0170725-005-MISL(1)



BC0170725-005-MISL(2)

End of Report