

**Summary of Test Results**

Reference no. : BC-SUMMARY-2016-50

Customer : Gate Way Valve & Fitting Ltd.  
 Address : Flat A1, 4/F., Galaxy Factory Building, 25 Luk Hop Street, San Po Kong, H. K.  
 Sample description : Silent Check Valve with Epoxy Coating  
 Nominal pressure (PN) : 16 / 25  
 Manufacturer : Val-Matic Valve & Manufacturing Corp.  
 Brand name : Valmatic  
 Body marking : VAL MATIC CORP.  
 Series no. : 1400  
 Origin : China  
 Sample submitted by : Gate Way Valve & Fitting Ltd.  
 Test standard : BS EN 12334 : 2001 / BS EN 12266-1 : 2012  
 Test period : 21 July to 03 August 2016

**A) Sample List**

DN (mm)	Inch	Model no.	Specimen no.
50	2"	1402AHKXF	BC0160714-5-MISL
65	2-1/2"	1425AHKXF	BC0160714-6-MISL
80	3"	1403AHKXF	BC0160608-11-MISL
100	4"	1404AHKXF	BC0160608-12-MISL
150	6"	1406AHKXF	BC0160714-7-MISL
200	8"	1408AHKXF	BC0160714-8-MISL

**B) Test Item****1) Dimensions Check (In-house method based on Manufacturer requirement)**

DN (mm)	Inch	Test results	Castco LRN
50	2"	Passed	BC0160714-4-MISL
65	2-1/2"	Passed	
80	3"	Passed	BC0160608-10-MISL
100	4"	Passed	
150	6"	Passed	BC0160714-4-MISL
200	8"	Passed	

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B) Test Item (con't)

2) Hydrostatic Strength Test (BS EN 12334 : 2001 Clause 4.2 / BS EN 12266-1 : 2012 Clause 4 Annex A)

DN (mm)	Inch	Test results	Castco LRN
50	2"	Passed	BC0160714-4-MISL
65	2-1/2"	Passed	
80	3"	Passed	BC0160608-10-MISL
100	4"	Passed	
150	6"	Passed	BC0160714-4-MISL
200	8"	Passed	

3) Chemical Composition-Disc (BS EN 1982 : 2008 Grade CC491K)

DN (mm)	Inch	Test results	Castco LRN
50	2"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Zinc content which is lower than the lower limit 4.0 and Copper content which is higher than the upper limit 87.0 of the specification	MS0160801-11
65	2-1/2"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Zinc content which is lower than the lower limit 4.0 of the specification	MS0160801-13
80	3"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Tin content which is lower than the lower limit 4.0 of the specification	MS0160705-12
100	4"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Tin content which is lower than the lower limit 4.0 of the specification	MS0160705-14
200	8"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Tin content which is lower than the lower limit 4.0 and Zinc content which is higher than the upper limit 6.0 of the specification	MS0160801-15

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## B) Test Item (con't)

## 4) Chemical Composition-Seat Ring (BS EN 1982 : 2008 Grade CC491K)

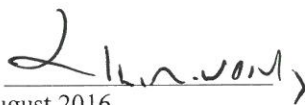
DN (mm)	Inch	Test results	Castco LRN
50	2"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Zinc content which is lower than the lower limit 4.0 of the specification	MS0160801-12
65	2-1/2"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Zinc content which is lower than the lower limit 4.0 of the specification	MS0160801-14
80	3"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Tin content which is lower than the lower limit 4.0 of the specification	MS0160705-13
100	4"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Tin content which is lower than the lower limit 4.0 of the specification	MS0160705-15
200	8"	The chemical composition of the tested specimen complies with Grade CC491K in Table 23b of BS EN 1982 : 2008 except for Tin content which is lower than the lower limit 4.0 and Zinc content which is higher than the upper limit 6.0 of the specification	MS0160801-16

Prepare by :

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Date : 30 August 2016

Review by :

WONG KA MAN  
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Date : 30 August 2016