

Test Report
Check Valves - Dimensions Check
(BS EN 16767 : 2016 Clause 4.2.3)

Date of issue : 28 November 2022

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Castco LRN : 221124-2039

Details as supplied by customer

Customer : Gate Way Valve & 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 : Ductile Iron Wafer Type Silent Check Valve

Nominal pressure (PN) : 16

Manufacturer : Cla-Val Pacific Ltd.

Brand name : Cla-Val

Body marking : CLA-VAL (DN) PN16 DI

Model no. : 580P-RS / 580PS-RS

Origin : New Zealand

Sample submitted by : Gate Way Valve & Fitting Ltd.

Laboratory test results

Date of sample received : 24 November 2022

Date of test : 25 November 2022

Specimen no.		221124-2039-001	221124-2039-002	221124-2039-003	221124-2039-004	221124-2039-005	221124-2039-006
DN (mm)		50	65	80	100	150	200
A (mm)	Measured mean value	112	137	155	180	254	333
	Manufacturer requirement	108.0	127.0	146.1	177.8	247.7	339.7
B (mm)	Measured mean value	68	73	81	103	141	165
	Manufacturer requirement	66.7	73.0	79.4	101.6	139.7	165.1
C (mm)	Measured mean value	61	70	85	113	161	211
	Manufacturer requirement	60.3	73.0	85.7	120.7	165.1	215.9

Remark(s) :

1. Test results relate only to the specimen tested.
2. Test samples are compatible with BS EN 1092-2 flange connections.

Checked by :

FU HO MAN
Assistant Technical Manager

Certified by :

WONG KA MAN
Senior Manager



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

Date of issue : 28 November 2022

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Castco LRN : 221124-2039

Details as supplied by customer

Customer : Gate Way Valve & 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 : Ductile Iron Wafer Type Silent Check Valve

Nominal pressure (PN) : 16

Manufacturer : Cla-Val Pacific Ltd.

Brand name : Cla-Val

Body marking : CLA-VAL (DN) PN16 DI

Model no. : 580P-RS / 580PS-RS

Origin : New Zealand

Sample submitted by : Gate Way Valve & Fitting Ltd.

Laboratory test results

Date of sample received : 24 November 2022

Date of test : 26 November 2022

A) Shell Tightness

Specimen no.	221124-2039-001	221124-2039-002	221124-2039-003	221124-2039-004	221124-2039-005	221124-2039-006
DN (mm)	50	65	80	100	150	200
Water temperature (°C)	23.5	23.5	23.5	23.5	23.5	23.5
Apply pressure (bar)	24	24	24	24	24	24
Test duration (s)	60	60	60	60	60	120
Visually detectable leakage	No	No	No	No	No	No
Requirement	Visually detectable leakage is not permitted					

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

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Laboratory test results (con't)**B) Seat Tightness**

Specimen no.	221124-2039-001	221124-2039-002	221124-2039-003	221124-2039-004	221124-2039-005	221124-2039-006
DN (mm)	50	65	80	100	150	200
Water temperature (°C)	23.5	23.5	23.5	23.5	23.5	23.5
Apply pressure (bar)	17.6	17.6	17.6	17.6	17.6	17.6
Test duration (s)	60	60	60	60	60	120
Leakage rate (mm ³ /s)	0	0	0	0	0	0
Requirement	The leakage rate shall not exceed specified in BS EN 12266-1 : 2012 Annex A.4.3 Table A.5					

Remark(s) :

1. Test results relate only to the specimen tested.
2. Test results of sample comply with the requirement of BS EN 16767 : 2016 Clause 5.1 (this specification is not covered by the laboratory's HOKLAS accreditation).
3. For test with qualitative test results, effect of measurement uncertainty has not been taken into account.

Checked by : _____


FU HO MAN
Assistant Technical Manager

Approved Signatory : _____

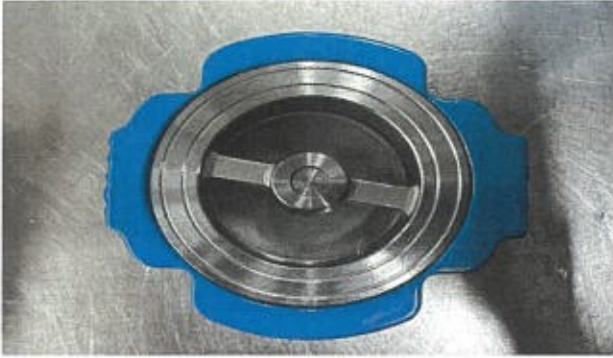
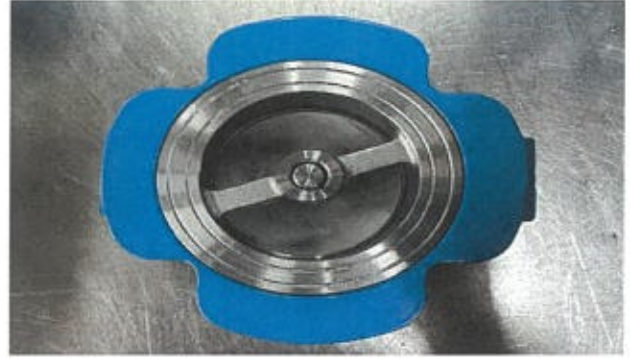
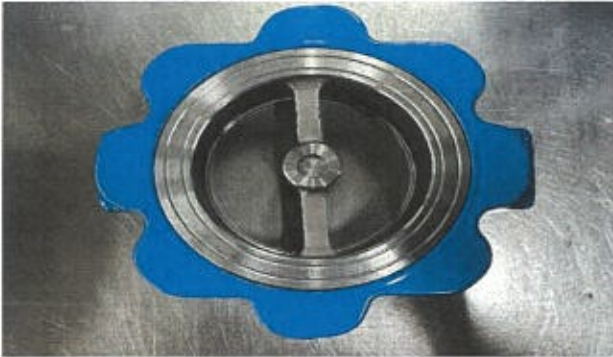

WONG KA MAN
Senior Manager

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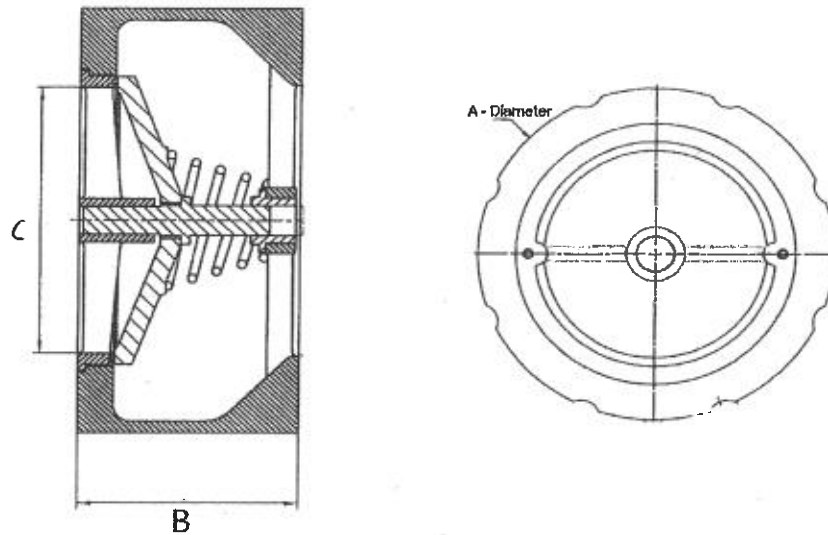
Appendix A221124-2039-001221124-2039-002221124-2039-003221124-2039-004221124-2039-005221124-2039-006

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Appendix BDimensions Figure (221124-2039)

End of Report