



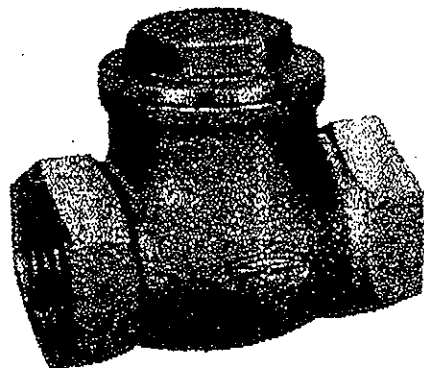
彬記 (國際) 有限公司

BUN KEE (INTERNATIONAL) LIMITED

OFFICE : 12/F, PHASE 1, AUSTIN TOWER, 22-26 AUSTIN AVENUE, TST., KLN., H.K.
 TEL : (852) 2728 7237 FAX : (852) 2387 2999

T.Y.T. 牌 重型 鉍 金 銅 (LG2) 橫 閥

T.Y.T. Brand Gunmetal Swing Check Valve with Screwed Ends; Working Pressure PN16; to BS5154 series "A"

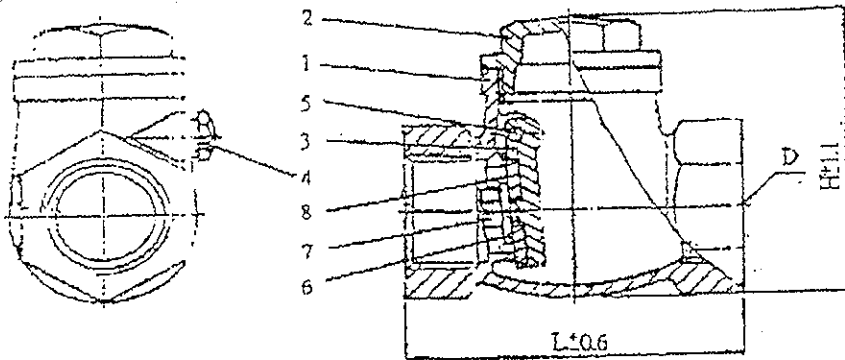


Acceptance Reference No. C20000029

已獲香港水務監督處, 批准符合裝配
 通過檢驗號碼: C20000029

Model No. : TYT-456
 Size : 1/2" (15mm), 3/4" (20mm), 1" (25mm), 1.1/4"(32mm),
 1.1/2"(40mm), 2"(50mm), 2.1/2"(65mm), 3"(80mm)&4"(100mm).
 Method of Tests: BS5154: 1991

Note: the female threads at the inlet and at the outlet of the sample comply with BS21.



NO.	PART
1	BODY
2	COVER
3	DISC
4	SCREW
5	PIN
6	WASHER
7	NUT
8	PACKING

Chemical Composition:

Components	Designation to BS1400: 1985; BS2874: 1986
Body, bonnet, disc	LG2
Hinge pin	CZ122

Size	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
L	55.0	60.0	68.0	79.0	90.5	105.0	130.0	141.0	167.0
H	60.5	61.0	67.0	79.0	89.0	104.0	121.0	141.0	171.0
D	BSPF 1/2	BSPF 3/4	BSPF 1	BSPF 1 1/4	BSPF 1 1/2	BSPF 2	BSPF 2 1/2	BSPF 3	BSPF 4
Per/Cm	160	120	80	45	40	24	18	12	6



香港灣仔告士打道七號入境事務大樓
Immigration Tower, 7 Gloucester Road, Hong Kong.

電子郵件
e-mail: wsinfo@wsd.gov.hk

電話
Telephone: 2829 4446

圖文傳真
Facsimile: 2824 0578

編號
Reference: (2) in WSD 3321/00 Pt. 1 T/3(72)

5 May 2000

Dear Sirs,

**Approval of "TYT" Gunmetal Gate Valves and
Gunmetal Swing Check Valves**

Your letters ref. OOTWA-3-4-2000 dated 3 April 2000 and ref. OOOTWA-6-4-2000 dated 6 April 2000 refer.

Having considered the test reports by the Nutek Systems, Ltd., this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: M/s Goodyear Valves Works Corp.

Manufacturer's Origin: Taiwan

Brand: TYT

Details of Fittings: (1) 20, 25, 40, 50, 80 and 100mm Gunmetal gate valves to BS 5154 Series A with screwed ends to BS 21. Pressure Rating PN20.

Model No.: TYT-353

Body Markings:

BS5154

SS

LG2

TYT

PN20

Acceptance Reference No. C20000029

Page: 1

- (2) 15, 20, 25, 32, 40, 50, 65, 80 and 100mm Gunmetal swing check valves to BS 5154 Series A with screwed ends to BS 21. Pressure Rating PN16.

Model No.: TYT-456

Body Markings:

SS

LG2




("SS" denotes 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 or 4.)

This Authority hereby permits the use of the above fittings in fresh water plumbing systems subject to full adherence to Waterworks installation requirements.

A condition of this acceptance is that the fittings to be installed shall be replicas of the samples as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fittings installed fails to meet that of the approved samples or if the fittings are found to be unsuitable for use in fresh water plumbing systems.

In applying for the use of the fittings in any project, the Acceptance Reference Number at the bottom of this letter must be quoted as a means of identification of acceptance of the fittings by this Authority.

Yours faithfully,


(CHAU Chi-wai, David)
for Water Authority

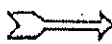



NUTEK SYSTEMS, LTD.

Unit F, 7/F., Universal Ind. Ctr.
19-21 Shan Mei Street,
Fo Tan, Sha Tin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0788

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE NO. : J6147A
DESCRIPTION OF SAMPLE : 15mm Gunmetal swing check valve with screwed ends;
working pressure PN16; to BS5154 series A
SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
ORIGIN : Taiwan (R.O.C.)
MODEL : TYT-456
BODY MARKINGS : $\frac{1}{2}$ LG2  

METHOD OF TESTS : BS5154 : 1991
PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	15	/
Height of valve, from top to bottom	(mm)	50.6	/
Face to face dimension	(mm)	56.0	/
Minimum body wall thickness	(mm)	1.9	1.7

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	15	Pass	18	15	Pass
BS Requirement	16	24	15	/	18	15	/

Note : no leakage was detected during the above test.



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TEST REPORT

OUR REFERENCE NO. J6147A (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory
Hydraulic pressure test -- Satisfactory
Chemical composition -- Satisfactory

DATE: 30th March 2000

CERTIFIED: 

Nutek Systems is a testing agency,
approved by the Water Authority and
Government Supplies Department, for
testing water supply fittings.


For E.A. Bruges
BSc PhD CEng FIMarE
FIMechE FHKIE MASME
MASHRAE

Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147B
 DESCRIPTION OF SAMPLE : 20mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456
 BODY MARKINGS : $\frac{3}{4}$ LG2  TYT

METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	20	/
Height of valve, from top to bottom	(mm)	59.8	/
Face to face dimension	(mm)	60.8	/
Minimum body wall thickness	(mm)	1.82	1.8

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	60	Pass
BS Requirement	16	24	15	/	18	15	/

Note : no leakage was detected during the above test.



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TEST REPORT

OUR REFERENCE NO. J6147B (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory
Hydraulic pressure test -- Satisfactory
Chemical composition -- Satisfactory

DATE: 30th March 2000

CERTIFIED: 

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For E.A. Bruges
BSc PhD CEng FIMarE
FIMechE FHKIE MASME
MASHRAE


Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147C
 DESCRIPTION OF SAMPLE : 25mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456

BODY MARKINGS :


METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	25	/
Height of valve, from top to bottom	(mm)	67.6	/
Face to face dimension	(mm)	69.7	/
Minimum body wall thickness	(mm)	2.0	2.0

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	60	Pass
BS Requirement	16	24	15	/	18	15	/

Note : no leakage was detected during the above test.



NUTEK SYSTEMS, LTD.

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TEST REPORT

OUR REFERENCE NO. J6147C (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory
Hydraulic pressure test -- Satisfactory
Chemical composition -- Satisfactory

DATE: 30th March 2000

CERTIFIED: 

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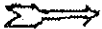
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MASHRAE

Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147D
 DESCRIPTION OF SAMPLE : 32mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456
 BODY MARKINGS : $1\frac{1}{2}$ LG2 


METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	32	/
Height of valve, from top to bottom	(mm)	79.5	/
Face to face dimension	(mm)	78.2	/
Minimum body wall thickness	(mm)	2.6	2.2

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	60	Pass
BS Requirement	16	24	15	/	18	15	/

Note : no leakage was detected during the above test.



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TEST REPORT

OUR REFERENCE NO. J6147D (P.2)

3. CHEMICAL COMPOSITION.

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory
Hydraulic pressure test -- Satisfactory
Chemical composition -- Satisfactory

DATE: 30th March 2000

CERTIFIED: 

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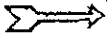
For E.A. Bruges
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MASHRAE

Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147E
 DESCRIPTION OF SAMPLE : 40mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456
 BODY MARKINGS : 1½
 LG2 


METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-
 I. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	40	/
Height of valve, from top to bottom	(mm)	89.0	/
Face to face dimension	(mm)	90.3	/
Minimum body wall thickness	(mm)	2.5	2.3

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Scat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	60	Pass
BS Requirement	16	24	15	/	18	15	/

Note : no leakage was detected during the above test.



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TEST REPORT

OUR REFERENCE NO. J6147E (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions - Satisfactory
Hydraulic pressure test - Satisfactory
Chemical composition - Satisfactory

DATE: 30th March 2000 CERTIFIED: [Signature]

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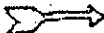
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MASHRAE

Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147F
 DESCRIPTION OF SAMPLE : 50mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456
 BODY MARKINGS :
 2
 LG2 


METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	50	/
Height of valve, from top to bottom	(mm)	104.6	/
Face to face dimension	(mm)	105	/
Minimum body wall thickness	(mm)	2.9	2.5

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	60	Pass
BS Requirement	16	24	15	/	18	15	/

Note : no leakage was detected during the above test.



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TEST REPORT

OUR REFERENCE NO. J6147F (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory
Hydraulic pressure test -- Satisfactory
Chemical composition -- Satisfactory

DATE: 30th March 2000

CERTIFIED: 

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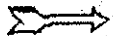
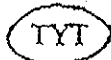
For E.A. Bruges
BSc PhD CEng FIMarE
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MASHRAE

Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147G
 DESCRIPTION OF SAMPLE : 65mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456
 BODY MARKINGS : 2½
 LG2  

METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-
 1. DIMENSIONS

		Sample	BS Requirement
Nominal size	(mm)	65	/
Height of valve, from top to bottom	(mm)	121.5	/
Face to face dimension	(mm)	132	/
Minimum body wall thickness	(mm)	3.0	2.8

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	30	Pass
BS Requirement	16	24	60	/	18	30	/

Note : no leakage was detected during the above test.



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TEST REPORT

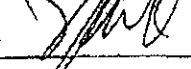
OUR REFERENCE NO. J6147G (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory
 Hydraulic pressure test -- Satisfactory
 Chemical composition -- Satisfactory

DATE: 30th March 2000 CERTIFIED: 

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 testing water supply fittings.

For E.A. Bruges
 BSc PhD CEng FIMarE
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

Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147H
 DESCRIPTION OF SAMPLE : 80mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456

ODY MARKINGS : 3
 LG2  

METHOD OF TESTS : BS5154 : 1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

	Sample	BS Requirement
Nominal size (mm)	80	/
Height of valve, from top to bottom (mm)	137.2	/
Face to face dimension (mm)	144.3	/
Minimum body wall thickness (mm)	3.12	3.1

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

	Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
		Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample	16	24	60	Pass	18	30	Pass
BS Requirement	16	24	60	/	18	30	/

Note : no leakage was detected during the above test.



NUTEK SYSTEMS, LTD.

Unit F, 7/F., Universal Ind. Ctr.
19-21 Shan Mei Street,
Po Tan, Shatin, N.T., Hong Kong.

Tel: (852) 2605 9736 Fax: (852) 2692 0798

TEST REPORT

OUR REFERENCE NO. J6147H (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions -- Satisfactory

Hydraulic pressure test -- Satisfactory

Chemical composition -- Satisfactory

DATE: 30th March 2000

CERTIFIED: [Signature]

Nutek Systems is a testing agency,
approved by the Water Authority and
Government Supplies Department, for
testing water supply fittings.

For E.A. Bruges
BSc PhD CEng FIMarE
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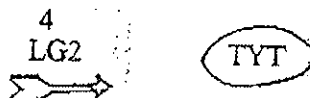
Director & General Manager



TEST REPORT

TITLE : Testing of Valve
 OUR REFERENCE NO. : J6147 I
 DESCRIPTION OF SAMPLE : 100mm Gunmetal swing check valve with screwed ends;
 working pressure PN16; to BS5154 series A
 SAMPLE SUBMITTED BY :

MANUFACTURER : M/s Goodyear Valves Works Corp.
 BRAND : TYT
 ORIGIN : Taiwan (R.O.C.)
 MODEL : TYT-456
 BODY MARKINGS :



METHOD OF TESTS : BS5154:1991
 PERIOD OF TESTS : 22nd to 29th March 2000

RESULTS:-

1. DIMENSIONS

	Sample	BS Requirement
Nominal size (mm)	100	/
Height of valve, from top to bottom (mm)	167.8	/
Face to face dimension (mm)	171.7	/
Minimum body wall thickness (mm)	3.6	3.5

Note : the female threads at the inlet and at the outlet of the sample comply with BS21.

2. HYDRAULIC PRESSURE TEST

Nominal pressure PN (bar)	Body test (1.5 PN)			Seat test (1.1 PN)		
	Test pressure (bar)	Duration (sec)	Remark	Test pressure (bar)	Duration (sec)	Remark
Sample 16	24	60	Pass	18	30	Pass
BS Requirement 16	24	60	/	18	30	/

Note : no leakage was detected during the above test.



NUTEK SYSTEMS, LTD.

Unit F, 7/F, Universal Ind. Ctr.
19-21 Shan Mei Street,
Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0798

TEST REPORT

OUR REFERENCE NO. J6147 I (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)							Designation to BS1400: 1985; BS2874: 1986
	Cu	Zn	Pb	Sn	Ni	Fe	Other Impurities	
Body, bonnet, disc	83.0	5.3	5.4	5.2	0.6	0.1	0.4	LG2
Hinge pin	58.3	38.9	2.2	0.0	0.0	0.3	0.3	CZ122

4. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions — Satisfactory
Hydraulic pressure test — Satisfactory
Chemical composition — Satisfactory

DATE: 30th March 2000

CERTIFIED: [Signature]

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