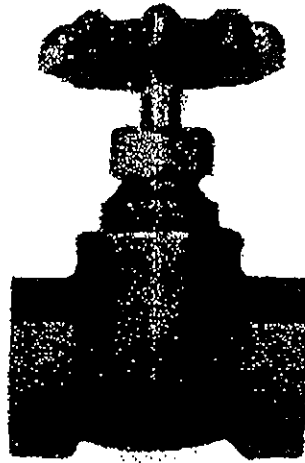


彬記 (國際) 有限公司 BUN KEE (INTERNATIONAL) LIMITED

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 鉑 金 銅 (LG2) 皮 心 掣 T.Y.T. Brand Gunmetal Stopvalve

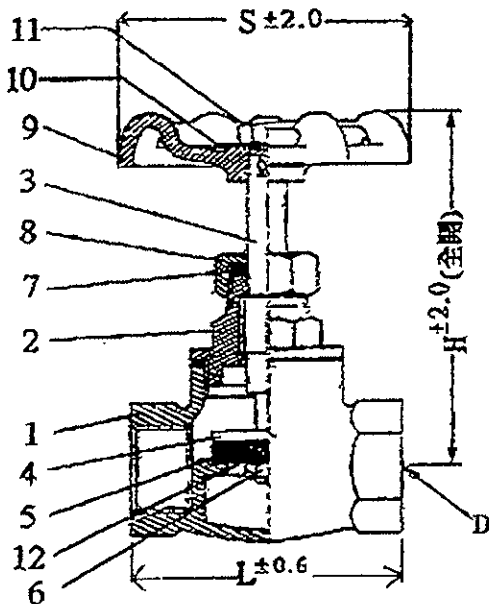


Acceptance Reference No. C19990048

已獲香港水務監督處，批准符合裝配
通過檢驗號碼：C19990048

Model No. : TYT-651
Size : 1/2" (15mm), 3/4" (20mm), 1" (25mm),
1.1/4"(32mm), 1.1/2"(40mm)& 2" (50mm)
Method of Tests: BS1010: Part 2: 1973

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

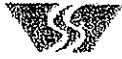


NO.	PART	MATERIAL	QTY
12	BRASS WASHER (1.1/4"-2"附有加強墊片)	C3604BD	1
11	WHEEL NUT	STEEL	1
10	NAME PLATE	ALUMINUM	1
9	HAND WHEEL	CAST IRON	1
8	PACKING NUT	BRASS ROD	1
7	GLAND PACKING	TEFLON	1
6	NUT	BRASS ROD	1
5	PACKING	NBR	1
4	DISC	BRASS ROD	1
3	STEM	CZ114	1
2	BONNET	LG2	1
1	BODY	LG2	1

Chemical Composition

Components	Designation to BS1400: 1985
Body	LG2
Bonnet	LG2

Size	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
L	54.0	54.5	61.0	88.5	101.0	117.0
H	78.0	78.0	82.0	126.0	128.0	149.0
S	58.0	58.0	58.0	79.0	79.0	85.0
D	BSPF 1/2"	BSPF 3/4"	BSPF 1"	BSPF 1 1/4"	BSPF 1 1/2"	BSPF 2"



Office of the Water Authority

Immolation Tower
7 Gloucester Road
Hong Kong

水務監督辦事處

香港灣仔
德輔道中七號
人民入境事務大樓

Telephone 2829 4446
電話 2829 4446

Facsimile 2824 0578 #
傳真 2824 0578 #

Reference (2) in WSD 3321/99 Pt. 1 T/J(91)
編號 (2) 在 WSD 3321/99 Pt. 1 T/J(91)

Date 8 June 1999
日期 8 June 1999

Winy Trading Company, Ltd.
Flat D, 4/F., Camelpoint Bldg, Phase II,
62 Hoi Yuen Road, Kwun Tong

(Attn: Mr. H. S. HUNG)

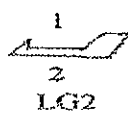
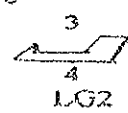
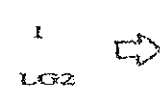
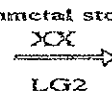
Dear Sirs,

Approval of "TYT" Gunmetal Stopvalves

Your letter ref. OOTWA-24-5/99(1) dated 24 May 1999 refers.

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.
Country of Origin: Taiwan
Name of Brand: TYT
Model: TYT-651

- Details of Fittings:
- (1) 1/2" Gunmetal stopvalve
Body Markings: TYT

 - (2) 3/4" Gunmetal stopvalve
Body Marking: TYT

 - (3) 1" Gunmetal stopvalve
Body Marking: TYT

 - (4) 1-1/4", 1-1/2" and 2" Gunmetal stopvalves
Body Marking: TYT

- where XX denotes 1-1/4, 1-1/2 or 2

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,


(Daniel S.P. CHAN)
for Water Authority



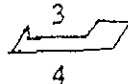
NUTEK SYSTEMS, LTD.

Unit F, 7/F., Universal Ind. Ctr.
19-21 Shan Mei Street,
Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5706 Fax: (852) 2692 0798

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE : J5179A
DESCRIPTION OF SAMPLE : 3/4" gunmetal stopvalve
SAMPLE SUBMITTED BY : Winly Trading Company., Ltd.

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
COUNTRY OF ORIGIN : Taiwan R.O.C.
MODEL : TYT-651
BODY MARKINGS : TYT



METHOD OF TESTS : BS1010: Part 2: 1973
PERIOD OF TESTS : 4th to 13th May 1999

RESULTS:-

1. DIMENSIONS (Figure 1 & 2)

	Sample	BS Requirement
Nominal size (in)	3/4	/
Body thickness (mm)	3.0	2.0 min.
Bore of seat (mm)	19.0	18.9 - 19.3
Thickness of seat support (mm)	2.6	2.0 min.
Height of seat (mm)	1.0	1.0 min.
Width of seat (mm)	2.55	2.5 min.

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

2. HYDRAULIC PRESSURE TEST

	Body Test			Seat Test		
	Test Pressure (bar)	Duration (sec)	Remark	Test Pressure (bar)	Duration (sec)	Remark
Sample	20	60	Pass	20	60	Pass
BS Requirement	20	60	/	20	60	/



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 5736 Fax: (852) 2892 0798

TEST REPORT

OUR REFERENCE NO. J5179A (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)									Designation to BS1400: 1985
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al	Other Impurities	
Body	84.0	5.0	5.2	5.1	0.2	0.1	0.0	0.0	0.4	LG2

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

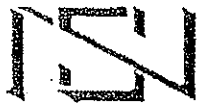
Dimensions - Satisfactory
Hydraulic pressure test - Satisfactory
Chemical composition - Satisfactory

DATE: 15th May 1989 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



NUTEK SYSTEMS, LTD.

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19-21 Shan Mei Street,
Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5738 Fax: (852) 2892 0798

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE : JS179E
DESCRIPTION OF SAMPLE : 1" gunmetal stopvalve
SAMPLE SUBMITTED BY : Winly Trading Company., Ltd.

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
COUNTRY OF ORIGIN : Taiwan R.O.C.
MODEL : TYT-651
BODY MARKINGS : TYT 1 →

METHOD OF TESTS : BS1010: Part 2: 1973
PERIOD OF TESTS : 4th to 13th May 1999

RESULTS:-

1. DIMENSIONS (Figure 1 & 2)

	Sample	BS Requirement
Nominal size (in)	1	/
Body thickness (mm)	3.0	2.7 min.
Bore of seat (mm)	25.3	25.2 - 25.8
Thickness of seat support (mm)	3.5	2.7 min.
Height of seat (mm)	2.2	2.0 min.
Width of seat (mm)	3.3	3.2 min.

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

2. HYDRAULIC PRESSURE TEST

	Body Test			Seat Test		
	Test Pressure (bar)	Duration (sec)	Remark	Test Pressure (bar)	Duration (sec)	Remark
Sample	20	60	Pass	20	60	Pass
BS Requirement	20	60	/	20	60	/



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TEST REPORT


OUR REFERENCE NO. J5179E (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)									Designation to BS1400: 1985
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al	Other Impurities	
Body	84.4	5.2	5.1	4.7	0.3	0.0	0.0	0.0	0.3	LG2

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

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

DATE: 15th May 1988 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



NUTEK SYSTEMS, LTD.

Unit F, 7/F., Universal Ind. Ctr.
19-21 Shan Mei Street,
Po Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2805 5738 Fax: (852) 2692 0798

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE : J5179F
DESCRIPTION OF SAMPLE : 1 1/4" gunmetal stopvalve
SAMPLE SUBMITTED BY : Winy Trading Company., Ltd.

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
COUNTRY OF ORIGIN : Taiwan R.O.C.
MODEL : TYT-651
BODY MARKINGS : TYT 1 1/4" →

METHOD OF TESTS : BS1010: Part 2: 1973
PERIOD OF TESTS : 4th to 13th May 1999

RESULTS:-

1. DIMENSIONS (Figure 1 & 2)

	Sample	BS Requirement
Nominal size (in)	1 1/4	/
Body thickness (mm)	3.3	3.2 min.
Bore of seat (mm)	32.3	31.5-32.3
Thickness of seat support (mm)	3.2	3.2 min.
Height of seat (mm)	2.2	2.0 min.
Width of seat (mm)	3.4	3.3 min.

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

2. HYDRAULIC PRESSURE TEST

	Body Test			Seat Test		
	Test Pressure (bar)	Duration (sec)	Remark	Test Pressure (bar)	Duration (sec)	Remark
Sample	20	60	Pass	20	60	Pass
BS Requirement	20	60	/	20	60	/



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Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0798

TEST REPORT

OUR REFERENCE NO J5179F (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)									Designation to BS1400: 1985
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al	Other Impurities	
Body	83.7	5.1	5.3	5.0	0.4	0.1	0.0	0.0	0.4	LG2

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

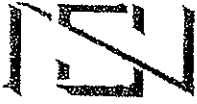
- Dimensions -- Satisfactory
- Hydraulic pressure test -- Satisfactory
- Chemical composition -- Satisfactory

DATE: 15th May 1988 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
FIMEche FHKIE MASME
MASHRAE

Director & General Manager



NUTEK SYSTEMS, LTD.

Unit F, 7/F., Universal Ind. Ctr.
18-21 Shan Mei Street,
Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0798

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE : JS179C
DESCRIPTION OF SAMPLE : 1½" gunmetal stopvalve
SAMPLE SUBMITTED BY : Winly Trading Company., Ltd.

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
COUNTRY OF ORIGIN : Taiwan R.O.C.
MODEL : TYT-651
BODY MARKINGS : TYT $\xrightarrow{1\frac{1}{2}}$

METHOD OF TESTS : BS1010: Part 2: 1973
PERIOD OF TESTS : 4th to 13th May 1999

RESULTS: -

1. DIMENSIONS (Figure 1 & 2)

	Sample	BS Requirement
Nominal size (in)	1½	/
Body thickness (mm)	2.3	3.2 min.
Bore of scat (mm)	38.1	37.8 - 38.6
Thickness of seat support (mm)	3.3	3.2 min.
Height of seat (mm)	2.1	2.0 min.
Width of scat (mm)	3.85	3.8 min.

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

2. HYDRAULIC PRESSURE TEST

	Body Test			Scat Test		
	Test Pressure (bar)	Duration (sec)	Remark	Test Pressure (bar)	Duration (sec)	Remark
Sample	20	60	Pass	20	60	Pass
BS Requirement	20	60	/	20	60	/



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Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0798

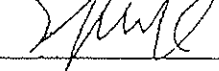
TEST REPORT OUR REFERENCE NO. JS179C (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)									Designation to BS1400: 1985
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al	Other Impurities	
Body	84.2	4.9	5.0	5.3	0.3	0.0	0.0	0.0	0.3	LG2

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

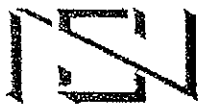
- Dimensions -- Satisfactory
- Hydraulic pressure test -- Satisfactory
- Chemical composition -- Satisfactory

DATE: 15th May 1999 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
FIMoche FHKIE MASME
MASHRAE

Director & General Manager



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 5735 Fax: (852) 2692 0798

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE : J5179D
DESCRIPTION OF SAMPLE : 2" gunmetal stopvalve
SAMPLE SUBMITTED BY : Winly Trading Company., Ltd.

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
COUNTRY OF ORIGIN : Taiwan R.O.C.
MODEL : TYT-651
BODY MARKINGS : TYT $\xrightarrow{2}$

METHOD OF TESTS : BS1010: Part 2: 1973
PERIOD OF TESTS : 4th to 13th May 1999

RESULTS: -

1. DIMENSIONS (Figure 1 & 2)

	Sample	BS Requirement
Nominal size (in)	2	/
Body thickness (mm)	4.1	4.0 min.
Bore of seat (mm)	51.0	50.4 - 51.3
Thickness of seat support (mm)	4.1	4.0 min.
Height of seat (mm)	2.2	2.0 min.
Width of seat (mm)	5.2	5.1 min.

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

HYDRAULIC PRESSURE TEST

	Body Test			Seat Test		
	Test Pressure (bar)	Duration (sec)	Remark	Test Pressure (bar)	Duration (sec)	Remark
Sample	20	60	Pass	20	60	Pass
BS Requirement	20	60	/	20	60	/

/.....P.2



NUTEK SYSTEMS, LTD.

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19-21 Shan Mei Street,
Po Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2895 5738 Fax: (852) 2892 0798

TEST REPORT

OUR REFERENCE NO. J5179D (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)									Designation to BS1400: 1985
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al	Other Impurities	
Body	84.2	5.3	4.8	5.0	0.4	0.0	0.0	0.0	0.3	LG2

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

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

DATE: 15th May 1988

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
FIMoche FHKIE MASME
MASHRAE

Director & General Manager



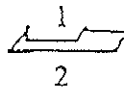
NUTEK SYSTEMS, LTD.

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19-21 Shan Mei Street,
Fo Tan, Shatin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0796

TEST REPORT

TITLE : Testing of Valve
OUR REFERENCE : J5231
DESCRIPTION OF SAMPLE : 1/2" gunmetal stopvalve
SAMPLE SUBMITTED BY : Winly Trading Company., Ltd.

MANUFACTURER : M/s Goodyear Valves Works Corp.
BRAND : TYT
COUNTRY OF ORIGIN : Taiwan R.O.C.
MODEL : TYT-651
BODY MARKINGS : TYT



METHOD OF TESTS : BS1010: Part 2: 1973
PERIOD OF TESTS : 17th to 20th May 1999

RESULTS: -

1. DIMENSIONS (Figure 1 & 2)

	Sample	BS Requirement
Nominal size (in)	1/2	/
Body thickness (mm)	2.2	2.0 min.
Bore of scat (mm)	13.0	12.5 - 13.0
Thickness of seat support (mm)	2.2	2.0 min.
Height of seat (mm)	1.0	1.0 min.
Width of scat (mm)	2.6	2.5 min.

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

2. HYDRAULIC PRESSURE TEST

	Body Test			Seat Test		
	Test Pressure (bar)	Duration (sec)	Remark	Test Pressure (bar)	Duration (sec)	Remark
Sample	20	60	Pass	20	60	Pass
BS Requirement	20	60	/	20	60	/



NUTEK SYSTEMS, LTD.

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19-21 Shan Mei Street,
Fo Tan, Sha Tin, N.T., Hong Kong.
Tel: (852) 2605 5736 Fax: (852) 2692 0798

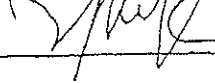
TEST REPORT OUR REFERENCE NO. J5231 (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)									Designation to BS1400: 1985
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al	Other Impurities	
Body	84.3	4.9	5.0	5.3	0.2	0.0	0.0	0.0	0.3	LG2

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

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

DATE: 21st May 1989 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



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 5738 Fax: (852) 2692 0788

TEST REPORT


OUR REFERENCE NO. J5231 (P.2)

3. CHEMICAL COMPOSITION

Components	Elements Compositions (%)								Designation to BS1400: 1985	
	Cu	Zn	Pb	Sn	Ni	Fe	Mn	Al		Other Impurities
Body	84.3	4.9	5.0	5.3	0.2	0.0	0.0	0.0	0.3	LG2

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

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

DATE: 21st May 1998 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