



the pressure equipment safety authority

9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

June 06, 2014

Attention: Joyce Liu

SHANGHAI TOMOE VALVE CO LTD
NO 2755 BOA AN ROAD
MALU TOWN JIADING DISTRICT
SHANGHAI,

The design submission, tracking number 2013-09528, originally received on December 20, 2013 was surveyed and accepted for registration as follows:

CRN : 0C14512.2

Accepted on: June 06, 2014

Reg Type: New Design

Expiry Date: June 06, 2024

Drawing No. : 700G, 704G, 705G SERIES BUTTERFLY VALVE As Noted

Fitting type: BUTTERFLY VALVES

The registration is conditional on your compliance with the following notes:

This CRN covers the following models butterfly valves 700G, 704G, 705G made of A216 WCB, A395, A48 grade 35, sizes 1.5" thru 24" , MAWP 145 psi @ 100F

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,

GRYNYCHUK, MILLA

the pressure equipment safety authority
STATUTORY DECLARATION
Registration of Fittings

TOMOE.

I, Li Aixia,

Quality Assurance Department Director

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Shanghai Tomoe Valve Co., Ltd.

(name of manufacturer)

located at No.2755 Bao An Road, Malu Town, Jiading District, Shanghai, P.R.China

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

☒ comply with the requirements of API Std. 609 which specifies the dimensions, (title of recognized North American Standard)

☐ materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's Register as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are 705G series Butterfly Valves

In support of this application, the following information, calculations and/or test data are attached:

- 1) 705G series Butterfly Valve Drawings; 2) 705G series Butterfly Valve Calculations; 3) 700G/704G/705G Catalogue
4) ISO9001:2008 certificate; 5) API std. 609 monogram certificate.

DECLARED before me at Jiading District in the Shanghai of P.R.China

this 12th day of May, 2014
(Month) (Year)

(print) 周喜清 Zhou xiqing

(sign) [Signature]

(A Commissioner for Oaths)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category 2

Registration Number: 0C14512.2

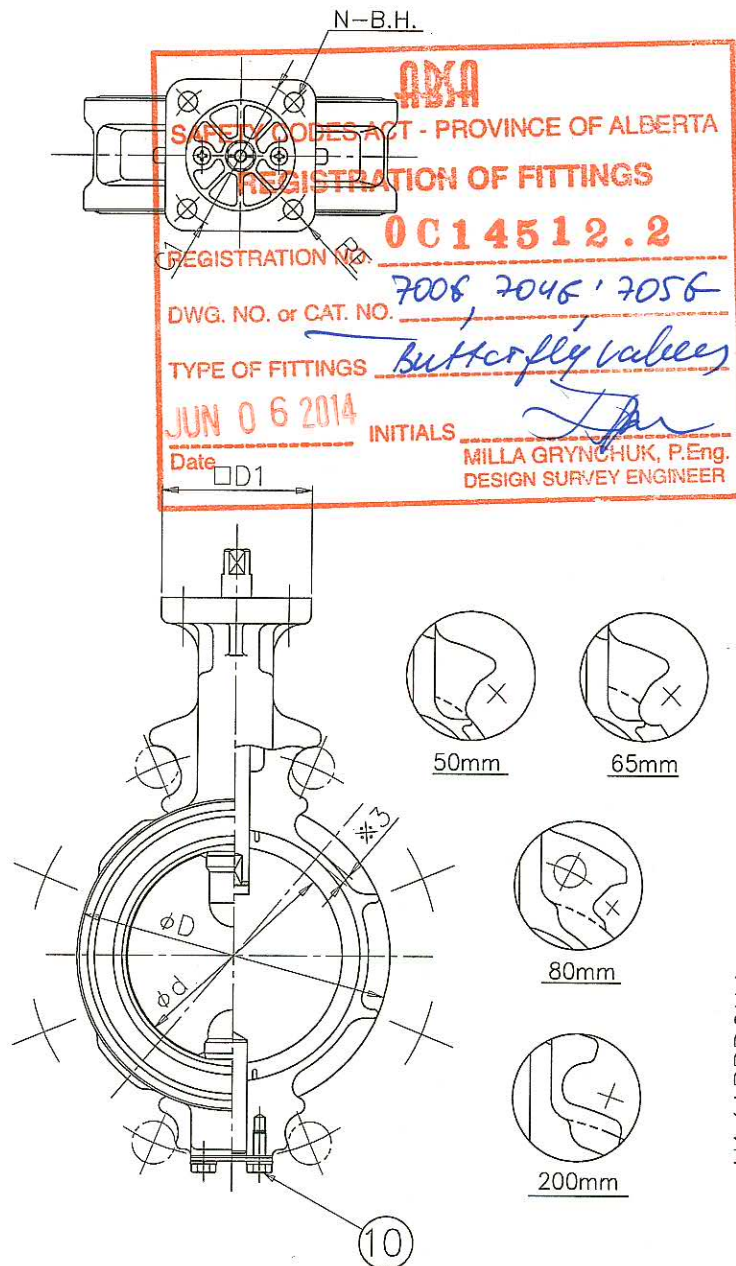
MILA GRYNCHUK

(For the Administrator/Chief Inspector of Alberta)

Date Registered: JUN 06 2014

Expiry Date: 2014-06-06

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

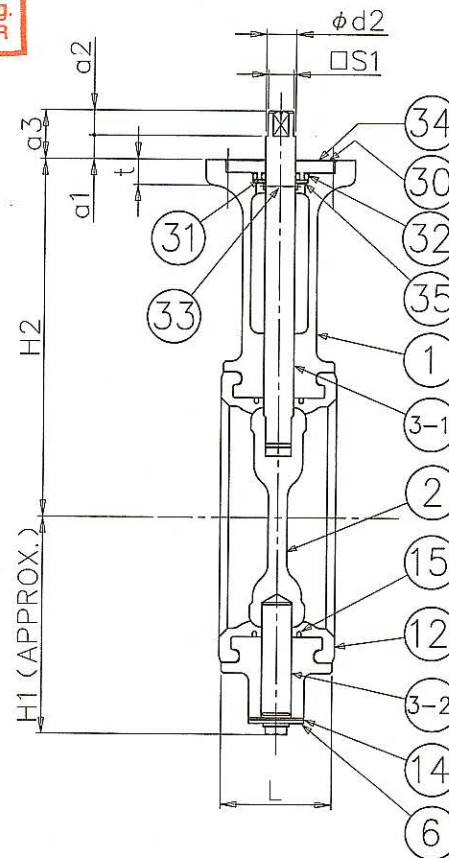


NOTE

(1) *MARK : SEE SPEC. SHEET.

(2) *

FLANGE RATING	
ANSI 125/150LB	



SIZE		d	L	D	H1	H2	d2	a1	a2	a3	S1	D1	t	E	C1	N	B.H.	MASS APPROX. (kg)
1 1/2	40	45	35	80	61	132	10											1.5
2	50	56	43	90	68	138	10		10.5	21.5	8							1.8
2 1/2	65	69	46	115	79	151						70	12	10	70	4	9	2.5
3	80	84	46	126	86	156	12	11	11.5	22.5	10							2.6
4	100	104	52	146	103	167	14				12							3.4
5	125	130	56	181	118	191	16		16.5	27.5	14							5.4
6	150	153.5	56	211	135	202	18					102	14	23.5	102		11	7.0
8	200	199	60	256	177	227	22	10	20	30	18							10.4

* DESIGN WALL THICKNESS OF 200mm
 : 8.9mm (A395)
 : 19.5mm (A216WCB)

35	HOLD PLATE	A283 Gr D	1	Uni-Cr.Plat
34	SET SCREW	A283 Gr D	2	Uni-Cr.Plat
33	SPRING PIN	AISI304	1	
32	O-RING	NBR	1	
31	O-RING	NBR	1	
30	BUSH	(RESIN)	1	HR85 RESIN
15	SEAL RING	AISI 1020	2	Uni-Cr.Plat
14	SHEET PACKING	NBR	1	
* 12	SEAT RING	NBR	1	
		EPDM		
		FKM		
		SEP		
10	BOILER WASHER	AISI 304	2SETS	
6	BOTTOM COVER	AISI 304	1	
3-2	LOWER STEM	AISI Gr420 SS	1	
3-1	UPPER STEM	AISI Gr420 SS	1	
* 2	DISC	A351 CF8M	1	50mm~200n
		B148 C95400		
1	BODY	A216 WCB/A395	1	
NO.	PARTS NAME	ASME B31.3	Q'TY	REMARKS
		MATERIALS		

MODEL 700G-01 DUCTILE CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO.,LTD.
OSAKA, JAPAN

CHIEF	M.UEMURA
CHECK	Y.KAWAMOTO
DESIGN	A.MATSUBARA
DATE	JUN. 7th. '96

REVISION NO.

DRW.NO.

A3-35276

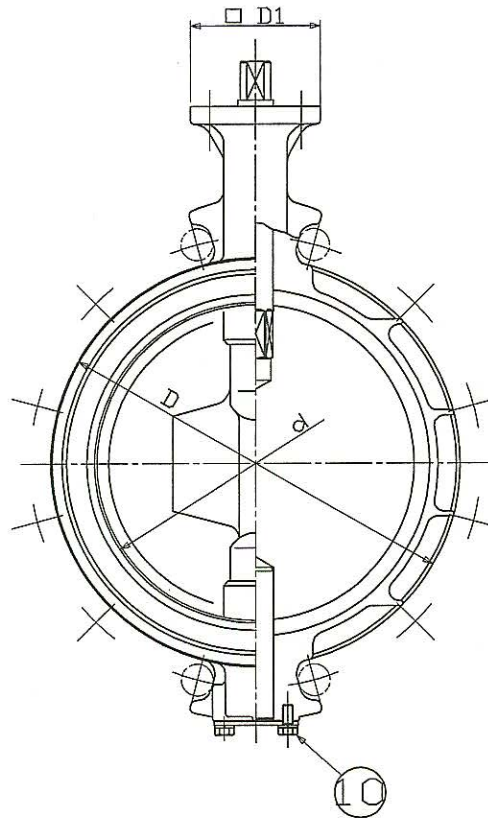
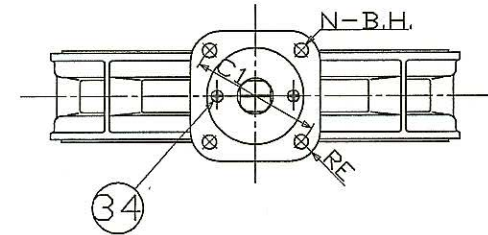
E

CAREER

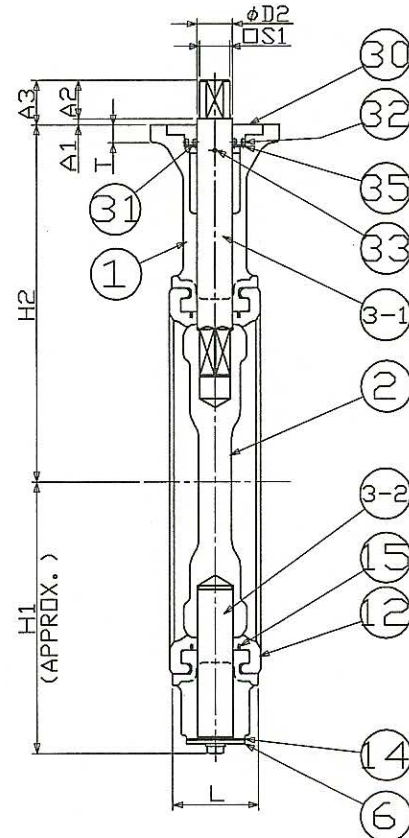
B: NOV. 30TH. '00: /
A: JUL. 17TH. '98: M. K/H. K/S. K

様式管理番号: WD33-95-025

(ACLT)



0C14512.2



SIZE		d	L	D	H1	H2	d2	a1	a2	a3	S1	D1	t	E	C1	N	B.H	WEIGHT APPROX (kgF)
Inch	mm																	
10	250	253	68	322	215	280	28	5	30	35	24	102	14	23.5	102	4	11	18
12	300	302	78	367	253	312	32					125	16	32.4	125		13	25

NOTE

(1) *MARK : SEE SPEC. SHEET.

(2)

FLANGE RATING	
ANSI 125/150Lb	

35	HOLD PLATE		A283 Gr D	1	UNI-CR. PLATED
34	SET SCREW		A283 Gr D	2	UNI-CR. PLATED
33	SPRING PIN		AISI 304	1	
* 32	O-RING		EPDM	1	
			NBR		
* 31	O-RING		EPDM	1	
			NBR		
30	BUSH		(RESIN)	1	HR85 RESIN
15	SEAL RING		ZDC	2	
14	SHEET PACKING		(#6500)	1	NON-ASBESTOS
			FKM		
* 12	SEAT RING		SEP	1	
			EPDM		
			NBR		
10	BOLT & SP. WASHER		A283 Gr D	2 SETS	UNI-CR. PLATED
6	BOTTOM COVER		A283 Gr D	1	UNI-CR. PLATED
3-2	LOWER STEM		AISI Gr420 SS	1	
3-1	UPPER STEM		AISI Gr420 SS	1	
* 2	DISC		A105	1	DACROTTIZED TREATMENT
			NYLON/A105		
			A351 CF8M		
			B148 C95400		
1	BODY		A216 WCB/A395	1	
NO.	PARTS NAME	MATERIALS		Q'TY	REMARKS

MODEL 700G-01 DUCTILE CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO.,LTD.
OSAKA, JAPANCHIEF A. OHTA
CHECK S. KADONAGA
DESIGN M. KINJOU
DATE MAR. 3TH. '98

DRW.NO. A3-38681

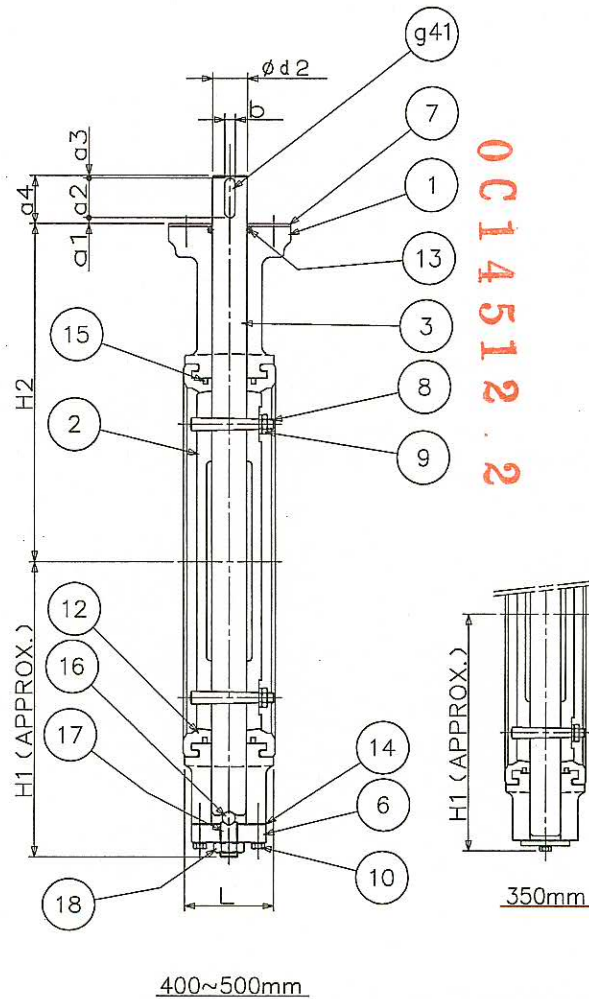
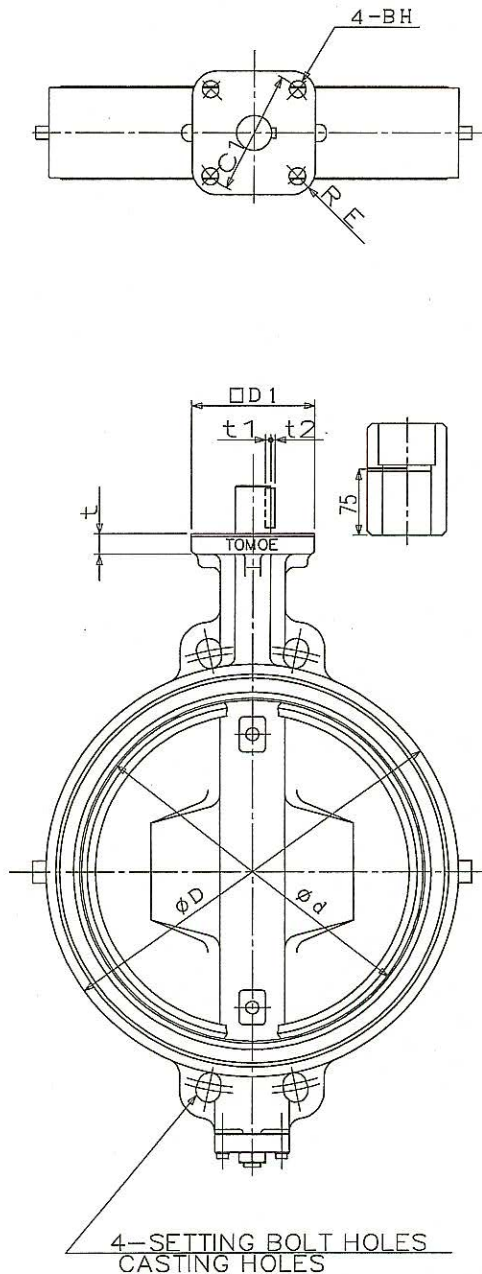
REVISION NO.
B

CAREER

B: AUG. 5th. '11
A: MAY. 20th. '03 A.M./Y.N./M.U.

(MODEL: 400A S=1/6)

(AQL)



SIZE		d	L	D	H1	H2	d2	a1	a2	a3	a4	b	t	t1	t2	D1	E	C1	BH	MASS APPROX. (kg)
inch	mm																			
14	350	337	78	410	276	348	32	5	40		48	10		5	3					42
16	400	394	102	469	338	383	40		45	3	54	12	23			140	27.8	140	19	64
18	450	441	114	525	368	413	46	6	56		65	14		5.5	3.5					87
20	500	492	127	580	403	453	50		70		79	14	28							114

NOTE

(1) *MARK : SEE SPEC. SHEET.

(2)

FLANGE RATING	
ANSI 125/150Lb	

g41 KEY			AISI 1045	1	
18	LOCK NUT		A283 Gr D	1	400~500mm
17	HOLLOW BOLT		AISI 1045	1	400~500mm
16	BALL		ASTM L3	1	400~500mm
15	SEAL RING		AISI 1020	2	Uni-Cr. Plate
14	SEAT PACKING		NBR	1	350mm
			(NON-ASBESTOS SHEET)		400~500mm
13	O-RING		EPDM	1	
			NBR		
12	SEAT RING		EPDM	1	
			NBR		
10	BOLT&SP.WASHER		AISI 304	2SETS	350mm
			A283 Gr D	4SETS	400~500mm
9	NUT&SP.WASHER		AISI 304	2SETS	
8	TAPER BOLT		AISI 304	2	
7	HOLD PLATE		A283 Gr D	1	Uni-Cr. Plate
6	BOTTOM COVER		AISI 304	1	350mm
			A48 class No.35		400~500mm
3	STEM		AISI Gr420 SS	1	
2	DISC		B148 C95400	1	Hard Cr. Plate
			A351 CF8		
1	BODY		A48 No.35	1	
			ASME B31.3		
NO.	PARTS NAME	MATERIALS	Q'TY	REMARKS	

MODEL 700G-02 CAST IRON

TOMOE TYPE BUTTERFLY VALVE

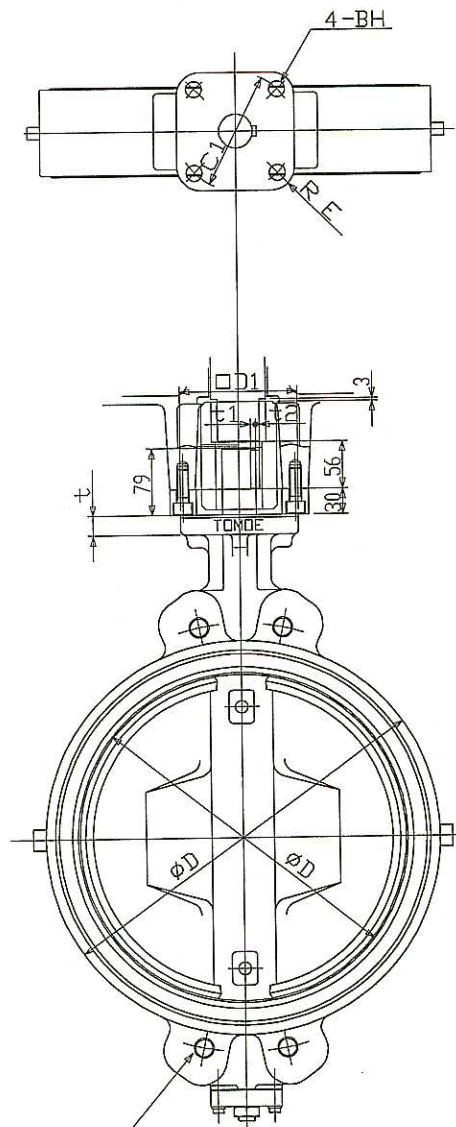
TOMOE VALVE CO.,LTD.
OSAKA, JAPAN

CHIEF	A.OHTA
CHECK	M.UEMURA
DESIGN	A.MATUBARA
DATE	OCT. 18th.
REVISION NO.	

DRW.NO. A3-32804

B

CAREER



* 4-SETTING BOLT HOLES
DRILLED OR TAPPED THROUGH
(IN CASE OF JIS 10K TAP, DEPTH 40mm)

SIZE		d	L	D	L1	H1	H2	d2	a1	a2	a3	a4	b	t	t1	t2	D1	E	C1	BH	WEIGHT APPROX. (KGF)
INCH	MM																				
24	600	584	154	682	142	458	528	55	6	70	3	79	16	28	6	4	165	28.2	165	23	191

NOTE

(1) *MARK : SEE SPEC. SHEET.

(2)

* FLANGE RATING
ANSI 125/150lb

Q41	KEY		AISI 1045	1	
18	LOCK NUT		A283 Gr D	1	
17	HOLLOW BOLT		AISI 1045	1	
16	BALL		ASTM L3	1	
15	SEAL RING		AISI 1020	2	
14	SEAT PACKING	(NON-ASBESTOS SHEET)		1	
* 13	O-RING		EPDM	1	
			NBR		
* 12	SEAT RING		EPDM	1	
			NBR		
10	BOLT&SP.WASHER		A283 Gr D	4SETS	
9	NUT&SP.WASHER		AISI 304	2SETS	
8	TAPER BOLT		AISI 304	2	
7	HOLD PLATE		A283 Gr D	1	UNI-CR. PLATED
6	BOTTOM COVER		A48 class No.35	1	
3	STEM		AISI Gr420 SS	1	
* 2	DISC		B148 C95400	1	Hard Cr.Plated
			A351 CF8		
1	BODY		A48 No.35	1	
			ASME B31.3		
NO.	PARTS NAME	MATERIALS	Q'TY	REMARKS	

MODEL 700G-02 CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO.,LTD.
OSAKA, JAPAN

CHIEF	A.OHTA
CHECK	M.UEMURA
DESIGN	A.MATUBARA
DATE	OCT. 18TH. '94
REVISION NO.	

DRW.NO. A3-32805-1

ACLT

0C14512.2

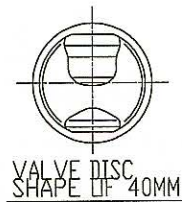
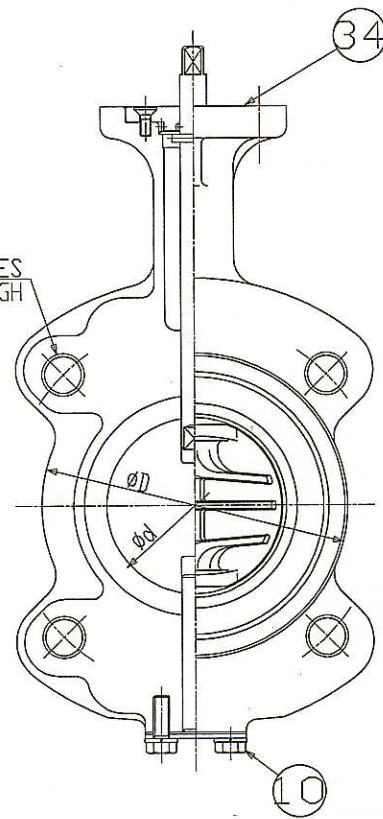
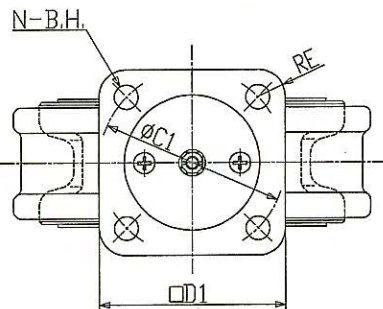
CAREER

C: DEC. 4TH. 2008
B: OCT. 21TH. 2008
A: MAR. 10TH. 2005M. K/T. K/M. U
S. N/T. M/H. T(SIZE: 65MM S=1/2)
様式管理番号: WD33-95-025

(EWS)

リブ弁体

0C14512.2

4-SETTING
BOLT HOLES
TAPPED THROUGH

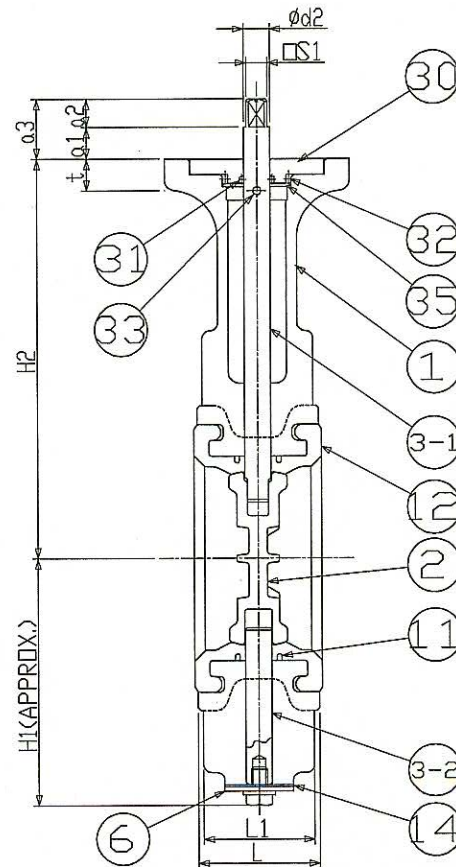
SIZE		d	L	D	L1	H1	H2	d2	a1	a2	a3	S1	D1	t	E	C1	N	B.H.	MASS APPROX. (KG)
INCH	mm																		
1 1/2	40	45	35	80	30	61	132	10	11	10.5	21.5	8	70	12	10	70	4	9	2.0
2	50	56	43	90	35	85	138												2.5
2 1/2	65	69	46	115	38	94	151	12		11.5	22.5	10							3.5
3	80	84		126		109	156												4.0

NOTE

(1) * MARK : TO SEE SPEC. SHEET

(2) *

FLANGE RATING	
ANSI 125/150Lb	



35	HOLD PLATE		A283 Gr D	1	Uni-Cr.Plat
34	SET SCREW		A283 Gr D	2	Uni-Cr.Plat
33	SPRING PIN		AISI 304	1	
32	O-RING		NBR	1	
31	O-RING		NBR	1	
30	BUSH		(HR85)	1	RESIN
14	SHEET PACKING		NBR	1	
*	12	SEAT RING	EPDM	1	
			NBR		
11	SEAL RING		AISI 1020	2	
10	BOLT & SP. WASHER		AISI 304	2 SETS	
6	BOTTOM COVER		AISI 304	1	
*	3-2	LOWER STEM	AISI Gr420 SS	1	
*	3-1	UPPER STEM	AISI Gr420 SS	1	
*	2	DISC	B148 C95400	1	80MM DACROTTIZED TREAT
			A536 65-45-12		
			A351 CF8M		
1	BODY		A216 WCB/A395	1	
NO. PARTS NAME		MATERIALS		Q'TY	REMARKS

MODEL 705G-01 DUCTILE CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO., LTD.
OSAKA, JAPANCHIEF M. UEMURA
CHECK E. HISAKI
DESIGN S. SUGIMOTO
DATE NOV. 19TH. 2

DRW. NO. A3-48602

REVISION NO.
C

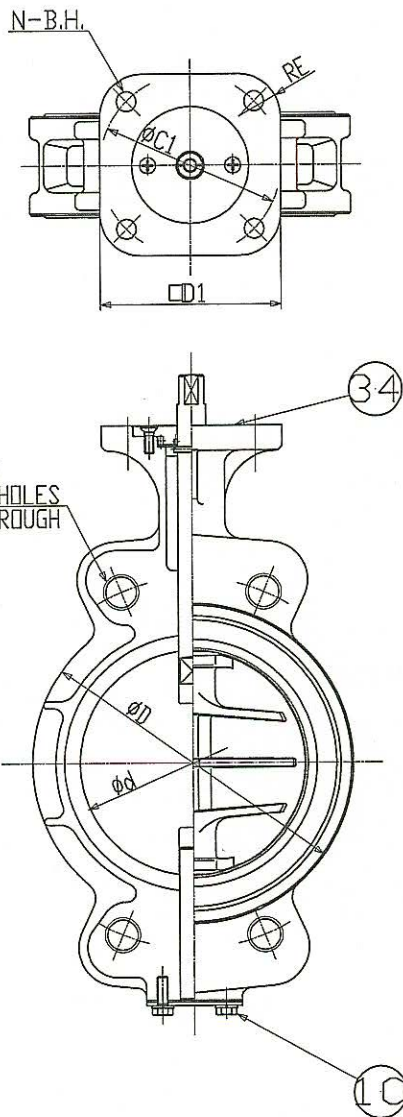
CAREER
 JUN. 13TH, 2011
 JUN. 13TH, 2008
 MAR. 10TH, 2005
 SEP. 1ST, 2004

(SIZE : 125MM S=1/3)
 様式管理番号 : WD33-95-025

(EWS)

0C14512.2

4-SETTING
 BOLT HOLES
 TAPPED THROUGH



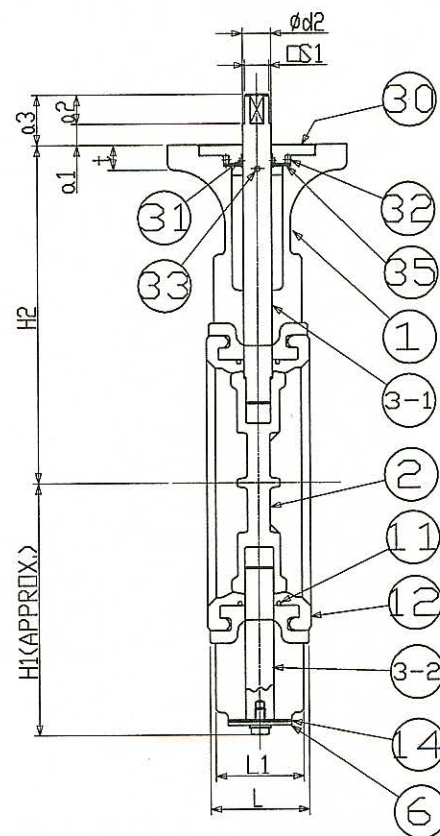
SIZE		d	L	D	L1	H1	H2	d2	α1	α2	α3	S1	D1	t	E	C1	N	B.H	MASS APPROX. (KG)	
INCH	mm																			
4	100	104	52	146	42	117	167	14	11	11.5	22.5	12	70	12	10	70	4	9	5.0	
5	125	130	56	181	46	143	191	16		16.5	27.5	14	102	14	23.5	102		11	8.0	
6	150	153.5		211		164	202	18		20	30	18							11.0	
8	200	199	60	256	54	186	227	22	10	20	30	18							15.0	

NOTE

(1) * MARK : TO SEE SPEC. SHEET

(2)

FLANGE RATING	
ANSI 125/150Lb	



35	HOLD PLATE		A283 Gr D	1	Uni-Cr.Platt
34	SET SCREW		A283 Gr D	2	Uni-Cr.Platt
33	SPRING PIN		AISI 304	1	
32	O-RING		NBR	1	
31	O-RING		NBR	1	
30	BUSH		(HR85)	1	RESIN
14	SHEET PACKING		NBR	1	
*	12	SEAT RING	EPDM	1	
			NBR		
	11	SEAL RING	AISI 1020	2	
	10	BOLT & SP. WASHER	AISI 304	2SETS	
	6	BOTTOM COVER	AISI 304		
*	3-2	LOWER STEM	AISI Gr420 SS	1	
*	3-1	UPPER STEM	AISI Gr420 SS	1	
*	2	DISC	B148 C95400	1	DACROTIZET TREATME
			A536 65-45-12		
			A351 CF8M		
	1	BODY	A216 WCB/A395	1	
NO. PARTS NAME		MATERIALS		Q'TY	REMARKS

MODEL 705G-01 DUCTILE CAST IRON
 TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO., LTD. OSAKA, JAPAN		CHIEF	M. UEMURA
		CHECK	E. HISAKI
		DESIGN	K. SUGIMOTO
		DATE	NOV. 19TH. 2
DRAW. NO. A3-48603		REVISION NO. D	

CAREER
C: JUN. 15TH. '11
B: DEC. 21ST. '08 M. K.T. K.M. U
A: SEP. 1ST. '04 A. M.Y. K.M. U

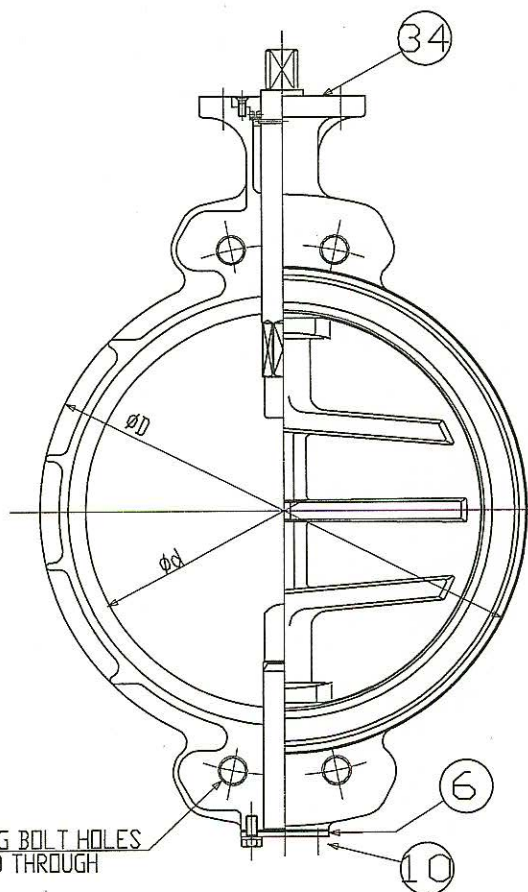
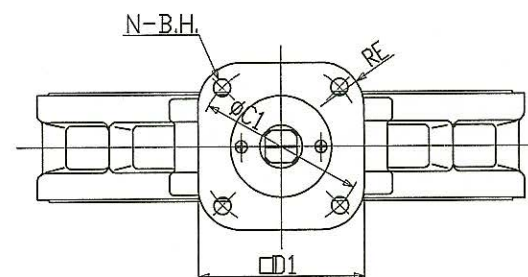
リブ弁体

(SIZE : 300MM S=1/4)
様式管理番号 : WD33-95-025

(EVS)

OC14512-2

4-SETTING BOLT HOLES
TAPPED THROUGH



SIZE		d	L	D	L1	H1	H2	d2	a1	a2	a3	S1	D1	t	E	C1	N	B.H.	MASS APPROX. (KG)
INCH	mm																		
10	250	253	68	322	58	215	280	28	5	30	35	24	102	14	23.5	102	4	11	24
12	300	302	78	367	72	253	312	32					125	16	32.4	125		13	31

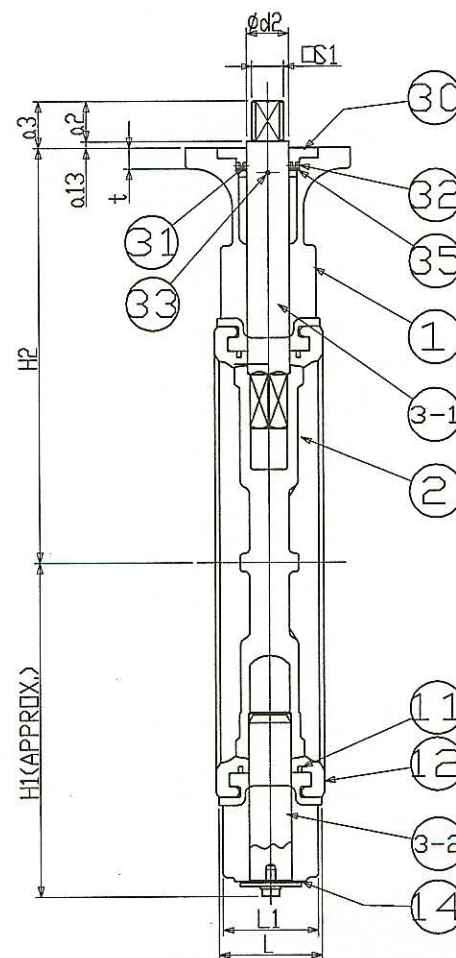
NOTE

(1) *MARK : SEE SPEC. SHEET.

(2)

*

FLANGE RATING	
ANSI 125/150LB	



35	HOLD PLATE		A283 Gr D	1	Uni-Cr.Platt
34	SET SCREW		A283 Gr D	2	Uni-Cr.Platt
33	SPRING PIN		AISI 304	1	
32	O-RING		NBR	1	
31	O-RING		NBR	1	
30	BUSH		(HR85)	1	RESIN
14	SHEET PACKING		NBR	1	
12	SEAT RING		EPDM	1	
			NBR		
11	SEAL RING		AISI 1020	2	
10	BOLT & SP. WASHER		AISI 304	2 SETS	
6	BOTTOM COVER		AISI 304	1	
3-2	LOWER STEM		AISI Gr420 SS	1	
3-1	UPPER STEM		AISI Gr420 SS	1	
2	DISC		B148 C95400	1	DACROTIZED TREATME
			A351 CF8M		
1	BODY		A216 WCB/A395	1	
NO.	PARTS NAME		ASME B31.3 MATERIALS	QTY	REMARKS

MODEL 705G-01 DUCTILE CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO., LTD.
OSAKA, JAPAN

CHIEF M. UEMURA
CHECK E. HISAKI
DESIGN K. SUGIMOTO
DATE NOV. 19TH. 2

DRW. NO. A3-48604

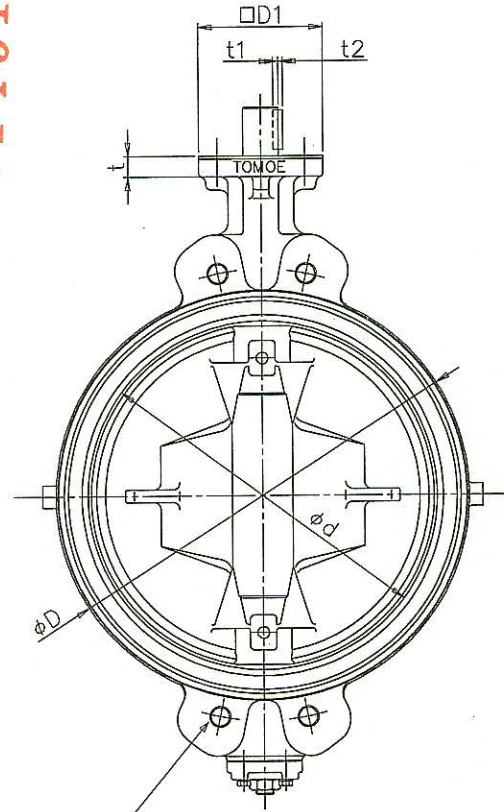
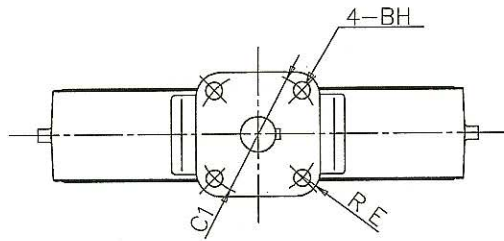
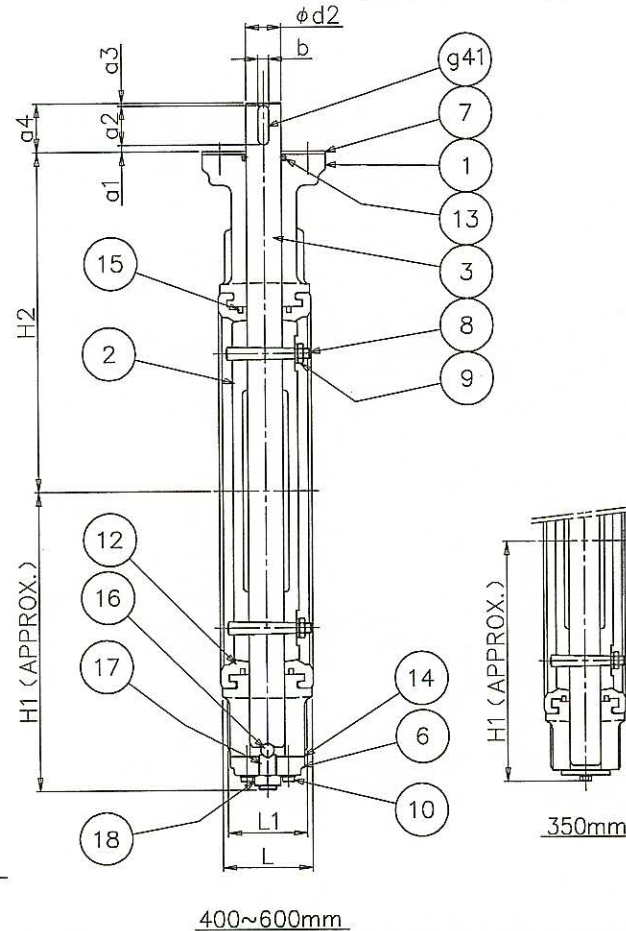
REVISION NO.

C

CAREER

(MODEL: 400A S=1/6)
様式管理番号: WD33-95-025D: MAY.20th, '03 A.M./Y.N/M.U
C: JUN.10th, '99 M.K/S.K/M.U
B: JUL.26th, '95 A.M./M.U/A.O
A: OCT.18th, '94 A.M.G: NOV.30th, '12 /
F: APR.26th, '12 T.K/M.U/M.U
E: AUG. 9th, '11 T.K/M.U/M.U

OC14512.2

4-SETTING BOLT HOLES
DRILLED HOLES or TAPPED THROUGH
(IN CASE JIS 10K 600mm:DEPTH 40)

SIZE		d	L	D	L1	H1	H2	d2	a1	a2	a3	a4	b	t	t1	t2	D1	E	C1	BH	MASS APPROX (kg)
inch	mm																				
14	350	337	78	410	70	276	348	32	5	40		48	10		5	3					47
16	400	394	102	467	90	338	383	40		45		54	12	23			140	27.8	140	19	72
18	450	441	114	525	102	368	413	46	6	56	3	65	14		5.5	3.5					96
20	500	492	127	580	115	403	453	50		70		79	14	28	6	4					127
24	600	584	154	682	142	458	528	55		70		79	16				165	28.2	165	23	191

NOTE (1) *MARK: SEE SPEC. SHEET.

(2)

FLANGE RATING
ANSI 125/150Lb

(3) EIGHT THREAD(UNIFY) WILL BE ADOPTED FOR BOLT SIZED IN 1 INCH AND LARGER.

	g41	KEY		AISI 1045	1	
	18	LOCK NUT		A283 Gr D	1	400~600mm
	17	HOLLOW BOLT		AISI 1045	1	400~600mm
	16	BALL		ASTM L3	1	400~600mm
	15	SEAL RING		AISI 1020	2	Uni—Cr.Plated
*	14	SEAT PACKING		NBR	1	350mm
						400~600mm
	13	O—RING		NBR	1	
*	12	SEAT RING		EPDM	1	
				NBR		
	10	BOLT&SP.WASHER		AISI 304	2SETS	350mm
				A283 Gr D	4SETS	400~600mm
	9	NUT&SP.WASHER		AISI 304	2SETS	
	8	TAPER BOLT		AISI 304	2	
	7	HOLD PLATE		A283 Gr D	1	Uni—Cr.Plated
	6	BOTTOM COVER		AISI 304	1	350mm
				A48 class No.35		400~600mm
	3	STEM		AISI Gr420 SS	1	
*	2	DISC		B148 C95400	1	Hard Cr.Plated
				A351 CF8		
	1	BODY		A395/A48 No.35	1	
				ASME B31.3		
	No.	PARTS NAME	MATERIALS		Q'TY	REMARKS

MODEL 705G-02 CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO.,LTD.
OSAKA, JAPANCHIEF M.UEMURA
CHECK H.HAGIWARA
DESIGN S.NABESHIN
DATE SEP.16th.

DRW.NO. A3-31077

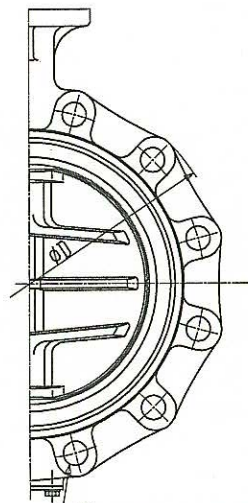
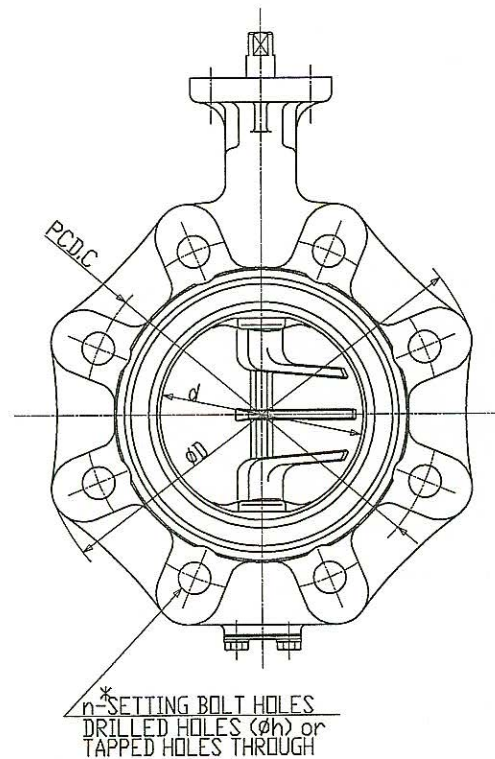
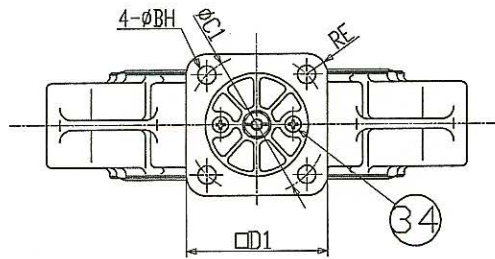
REVISION NO.

G

CAREER

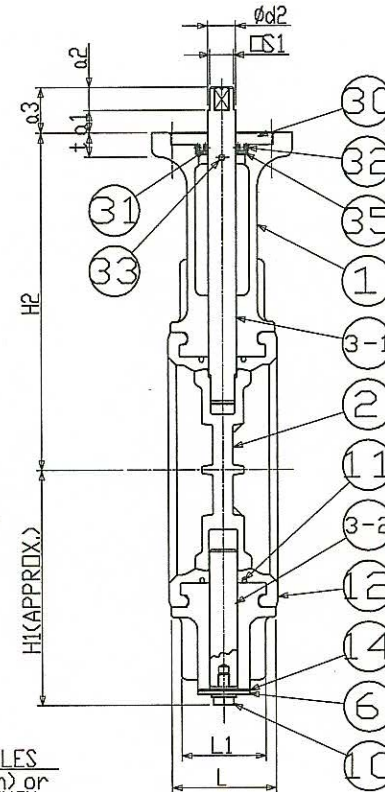
(SIZE : 100MM-JIS10K S=1/2. 5)
様式管理番号 : W/D33-95-025

リブ弁体



CASE OF 200mm(8inch) JIS10K

OC14512.2



SIZE inch	D	L	L1	H1	H2	D2	A1	A2	A3	S1	D1	T	RE	C1	BH	ANSI 125/150LB			
																D	C	N	BOLT
3	80	84	46	36	109	156	12	11	11.5	22.5	10	12	70	12	10	70	9	223	190.5
4	100	104	52	42	117	167	14												
5	125	130	56	46	143	191	16												
6	150	153.5	56	46	164	202	18	16.5	27.5	14	102	14	23.5	102	11	276	241.3	8	23
8	200	199	60	50	176	227	22												
								10	20	30	18					334	298.4		20

NOTE

- (1)*MARK : SEE SPEC SHEET.
 (2)AT 80mm, IN CASE OF FLANGE STANDARD JIS5k & ANSI,
 IT IS REFERENCE TO DRAWING NO.A3-48574.

35	HOLD PLATE	A283 Gr D	1	Uni-Cr.Plated
34	SET SCREW	A283 Gr D	2	Uni-Cr.Plated
33	SPRING PIN	AISI 304	1	
32	O-RING	NBR	1	
31	O-RING	NBR	1	
30	BUSH	(HR85)	1	RESIN
14	SHEET PACKING	NBR	1	
*	12	SEAT RING	1	
11	SEAL RING	ZDC	2	
10	BOLT & SP. WASHER	AISI 304	2 SETS	
6	BOTTOM COVER	AISI 304	1	
3-2	LOWER STEM	AISI Gr420 SS	1	
3-1	UPPER STEM	AISI Gr420 SS	1	
2	DISC	B148 C95400	1	
1	BODY	A351 CF8M	1	
NO.	PARTS NAME	ASME B31.3 MATERIALS	QTY	REMARKS

MODEL 704G-01 DUCTILE CAST IRON

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO., LTD.
OSAKA, JAPANCHIEF
CHECK
DESIGN
DATE NOV. 13TH. 2003

DRW. NO. A3-48575

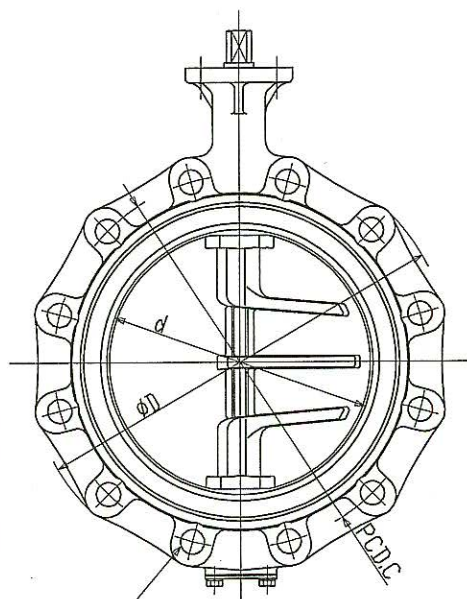
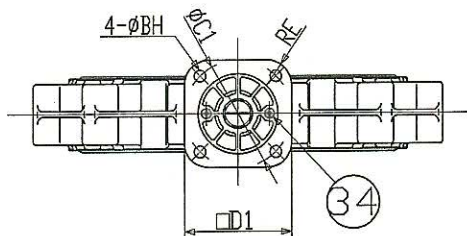
REVISION NO.

CAREER

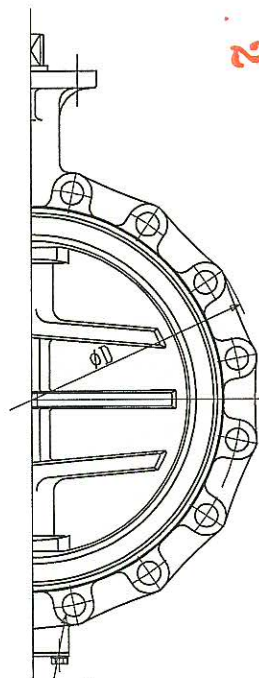
リップ弁体

(SIZE : 250MM S=1/5)
様式管理番号 : WD33-95-025

(AULT)



n*SETTING BOLT HOLES
DRILLED HOLES $\phi(h)$ or
TAPPED HOLES THROUGH



n*SETTING BOLT HOLES
DRILLED HOLES $\phi(h)$ or
TAPPED HOLES THROUGH

CASE OF 300mm(12inch):JIS10K

0014512.2

SIZE		D	L	L1	H1	H2	D2	A1	A2	A3	S1	D1	T	RE	C1	BH	ANSI 125/150LB BT 150LB				
inch	MM																D	C	N	H	BOLT
10	250	253	68	58	215	280	28	5	30	35	24	102	14	23.5	102	11	402	361.9	12	26	3/8
12	300	302	78	68	253	312	32					125	16	32.4	125	13	472	431.8			

NOTE

(1)*MARK : SEE SPEC SHEET.

35	HOLD PLATE		A283 Gr D	1	Uni-Cr.Plates
34	SET SCREW		A283 Gr D	2	Uni-Cr.Plates
33	SPRING PIN		AISI 304	1	
32	□-RING		NBR	1	
31	□-RING		NBR	1	
30	BUSH		(HR85)	1	RESIN
14	SHEET PACKING		NBR	1	
12	SEAT RING		EPDM	1	
			NBR		
11	SEAL RING		ZDC	2	
10	BOLT & SP. WASHER		AISI 304	2 SETS	
6	BOTTOM COVER		AISI 304	1	
3-2	LOWER STEM		SUS420J2	1	
3-1	UPPER STEM		AISI Gr420 SS	1	
2	DISC		B148 C95400 A351 CF8M	1	
1	BODY		A216 WCB/A395	1	
NO.	PARTS NAME	MATERIALS		Q'TY	REMARKS

MODEL 704G-01 DUCTILE CAST IRON
TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO., LTD.
OSAKA, JAPAN

CHIEF
CHECK
DESIGN
DATE NOV. 13TH. 20
REVISION NO.

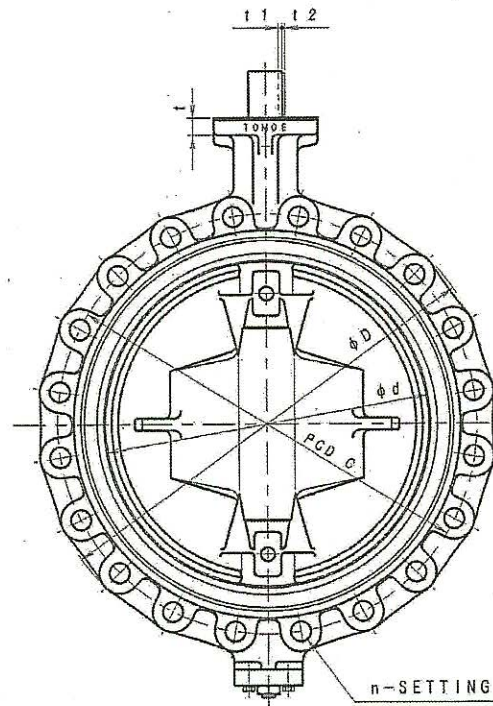
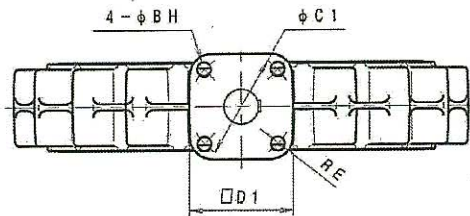
DRW. NO. A3-48576

CAREER
A: Sep. 7. '93 3/4 Kakei H. Higashimura K. Kakei

MODEL: 450A-JIS10K SCALE: 1/71

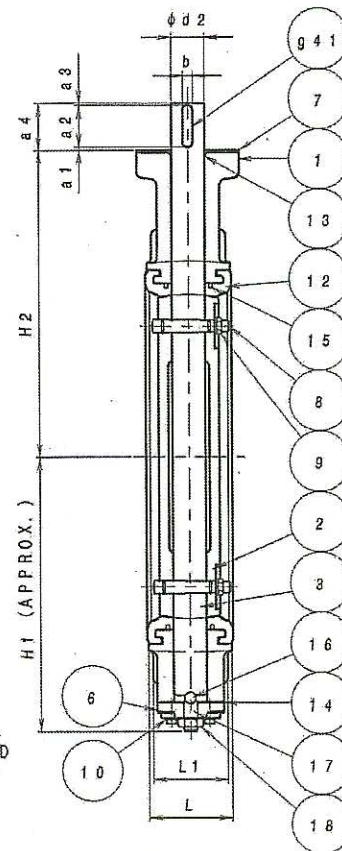
標準配布図

* SIZE	d	L	L1	H1	H2	d2	a1	a2	a3	a4	b	t	t1	t2	D1	RE	C1	BH
inch mm																		
14 350	337	78	70	276	348	32	5	40		48	10		5	3				
16 400	394	102	90	338	383	40		45		54	12	23			140		140	19
18 450	441	114	102	368	413	46	6	56	3	65	14		5.5	3.5		28		
20 500	492	127	115	403	453	50		70		79		28	6	4	165		165	23
24 600	584	154	142	458	528	55					16							

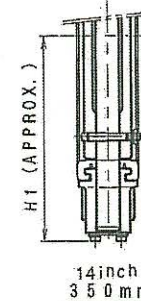


OC14512.2

n-SETTING BOLT HOLES
* DRILLED HOLES OR TAPPED BOLT
φh



16inch ~ 24inch
400mm ~ 600mm



ANSI 125/150 Lb					WEIGHT APPROX (Kg)
D	C	n	h	BOL	
533	476.2	12	29	1-8 UNC	55
597	539.7	16		32	1-8 UNC
634	577.8		1-8 UNC		128
696	635	20	35	1-8 UNC	170
820	749.3			1-8 UNC	275

NOTE (1) * MARK: SEE SPEC SHEET.

g 41	KEY	AISI 1045	
18	LOCK NUT	A283 Gr D	400~600mm
17	HOLLOW BOLT	AISI 1045	400~600mm
16	BALL	ASTM L3	400~600mm
15	SHEEL RING	(C3620)	350mm: ZDC
14	SHEET PACKING	(T#1195)	350mm: V#6500
13	O-RING	(NBR)	
* 12	SEAT RING	(NBR)	
		(EPDM)	
10	BOLT & SP. WASHER	A283 Gr D	350mm: 2 sets
9	BOLT & SP. WASHER	AISI 304	2 sets
8	TAPER BOLT & O-RING	AISI 304 (NBR)	2 sets
7	HOLD PLATE	A283 Gr D	Uni-Cr. Plated
6	BOTTOM COVER	A48 class No.35	350mm: A283 Gr D
3	STEM	AISI Gr 420SS	
		A536 65-45-12	Hard Cr. Plated
2	DISK	A351 CF8	
		B148 C95400	
1	BODY	A216 WCB/A395	
No.	PARTS NAME	MATERIALS	REMARKS

MODEL 704G-02

TOMOE TYPE BUTTERFLY VALVE

TOMOE VALVE CO., LTD.
OSAKA, JAPAN

CHIEF
CHECK
DESIGN
DATE
98. 6. 17.

DRAW. No. A3-39166

REVISION No.
A