

December 20, 2013

Attention: Al Ikhsan
PT TOMOE VALVE BATAM
BLOCK F2 LATRADE IND PARK,
JL SE BINTI, TANJUNG UNCANG
BATAM,

The design submission, tracking number 2013-08913, originally received on November 26, 2013 was surveyed and accepted for registration as follows:

CRN : 0C14027.2

Accepted on: December 20, 2013

Reg Type: New Design

Expiry Date: December 20, 2023

Drawing No. : TT2 MANUAL As Noted

Fitting type: API 609 BUTTERFLY VALVES BUILT TO ASME B16.34

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

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.

- Per your email of December 19, 2013, valves included with this API 609 registration meet all the requirements associated with ASME B16.34, without exception.
- Valves shall never be used as closures.

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

Enclosed are stamped prints for your reference.

Sincerely,



STERLING, CAMERON, P. Eng.



ABSA
the pressure equipment safety authority
STATUTORY DECLARATION
Registration of Fittings



I, Al Ikhsan,

QC Manager

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

of PT. Tomoe Valve Batam

(name of manufacturer)

located at Block F2 Latrade Industrial Park, Jl. Sei Binti, Tnajung Uncang, Batam 29422, Indonesia

(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-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 Butterfly Valves

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

TT2 Brochure's, TT2 Drawing, ISO9001:2008 Certificate

DECLARED before me at Block F2 Latrade in the City of Batam (INDONESIA)

this 19th day of November, 2013
(Month) (Year)

(print) Al Ikhsan

[Signature]
(Signature of Applicant)

(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 'C' PER ACCEPTANCE LTR

Registration Number: OC14027.2

[Signature]
(For the Administrator/Chief Inspector of Alberta)

Date Registered: 20 DEC 2013


Expiry Date: 20 DEC 2023

0C14027.2

ALPIDA

NOTARIS
KOTA BATAM

Telah dicatat dalam buku daftar yang diadakan-----
khusus untuk itu oleh saya **JUSTITIA FERRYANTO, SH.**,
Notaris di Kota Batam, pada tanggal **31-10-2013**
(tiga puluh satu Oktober dua ribu tiga belas). --
Nomor : 292/W/JF/2013



NOTARIS
KOTA BATAM
JUSTITIA FERRYANTO, SH.)

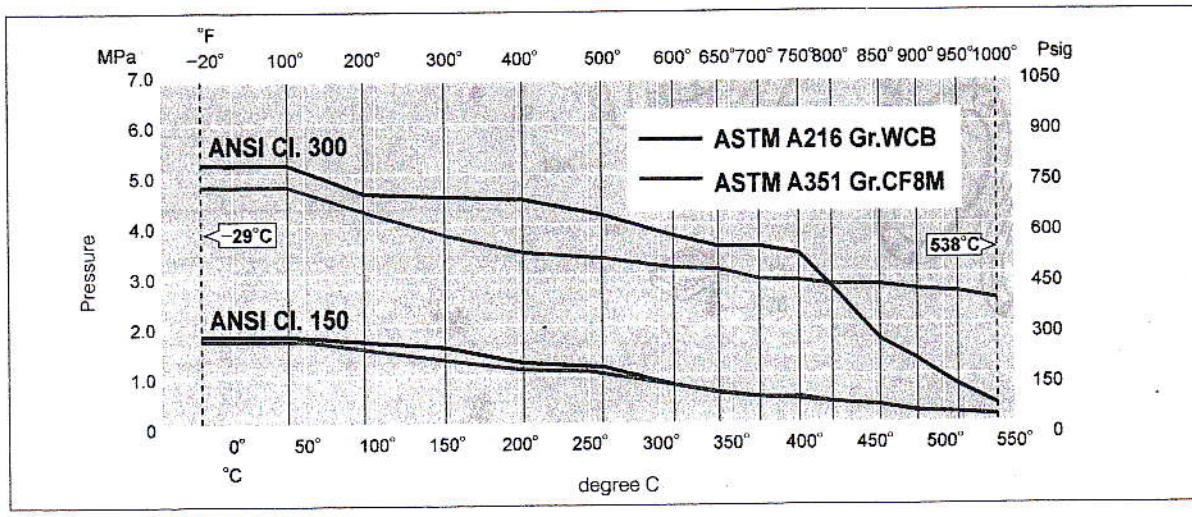


TT2 Standard specifications	
Design	API 609 Cat. B, ASME B16.34
Nominal Diameter ^{※1}	3" (80mm) to 24" (600mm)
Pressure rating	Class 150, Class 300
Body style	Wafer, Lugged and Double-flanged short & long
Applicable flange standard ^{※2}	ASME B16.5/JPI class 150, 300 JIS 10/16/20/30K BS4504 (DIN) PN10/16/25/40
Face to Face ^{※3} Dimensions	【Wafer, Lugged】 API 609 category B class 150/300
	【Double-flanged type】 ISO 5752/API 609 category B Double-flanged Short-pattern class 150/300
Pressure-temperature-rating ^{※4}	ASME B16.34 class 150, 300 Lb, API 609 class 150, 300 Lb Operating temperature (standard specifications): -29 to 538 degrees C (A216-WCB), -29 to 600 degrees C (A351-CF8M)
Pressure test	Main body pressure and seat leakage test: API598 Allowable seat leakage: API 598, ISO 5208 rate A, ANSI B16104 (ANSI/FCI 70-2) class VI
Fire safe	Fire safe certification based on API 607 4th edition
Actuator	Worm gear, Pneumatic cylinder, Motorized
Flow direction	Bi-directional (However, the recommended pressure direction is for high pressure at the stem side, and selection of the drive section will differ depending upon the pressure direction.)
Applicable gaskets	Use a spiral gasket
	ASME B16.5 / JPI class 150, 300 commercial products may be used. Please consult with us regarding JIN, BS and DIN
Standard materials	Body ASTM A216 WCB or ASTM A351 CF8M
	Disc ASTM A216 WCB or ASTM A351 CF8M
	Stem ^{※5} ASTM 564 type 30 H1150
	Body seat SUS 316 / Supagraf Graphite
	Disc seal ^{※6} SUS
Painting	Silicon resin coating (Grey N7) for 200 degrees C and lower Heat resistant silver coating for over 200 degrees C. No painting for stainless steel.

※1: Except for 5" (125mm), 22" (550mm)
 ※2: Please consult with us regarding JIN, BS and DIN lugs and double-flange types.
 ※3: Long-pattern types can be manufactured to your desired specifications.
 ※4: 400°C or less in an oxidized atmosphere
 ※5: Use Inconel 718 for over 400°C.
 ※6: Titanium nitride hardened, Stellite #6 welding is optionally available.
 ※7: Valve stem position : horizontal position.

SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
 REGISTRATION NO. DC14027.2
 TYPE OF FITTINGS TT2 MANUAL
 DWG. NO. or CAT. NO. C PER ACCEPTANCE LETTER
 ZODEE'13 INITIALS [Signature]
 Date _____
 CAMERON STERLING, P.Eng.
 DESIGN SURVEY ENGINEER

TT2 Pressure rating



* PER ACCEPTANCE LETTER