ABSA
the pressure equipment safety authority

**9410 - 20 Ave N.W.**
**Edmonton, Alberta, Canada T6N 0A4**
**Tel: (780) 437-9100 / Fax: (780) 437-7787**

May 19, 2026

**Attention:** Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, Tracking Number 2026-02376, Web Portal Number 2026-S1951, originally received on April 20, 2026 was surveyed and accepted for registration as follows:

**CRN :** 0C26525.52 **Accepted on:** May 19, 2026

**Reg Type:** NEW DESIGN **Expiry Date:** March 19, 2036

**Document No.** RESILIENT SEATED/TRIPLE OFFSET BUTTERFLY VALVE-SEE SCOPE OF CRN Registration (Dated March 18, 2026)

**Fitting type:** Butterfly Valves

Design registered in the name of : QINGDAO DIXON VALVE & FITTING CO LTD

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

*- Valve types 14TOV / 16TOV / 34TOV / 36TOV / 54TOV / 56TOV shall be made in strict conformance with ASME B16.34. It includes the valves of the sizes, material specifications and ANSI Classes.*

*As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction are B16.34 and ASME B31.3.*

*- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
*- 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 or AB-351 Declaration of Conformity form.*
*- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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.

If you have any questions don't hesitate to contact me by phone at (587) 943-8749 or fax (403) 291-4545 or e-mail Gao@absa.ca.

Sincerely,

Wayne Gao

GAO, XINGWEI (WAYNE), P. Eng.
DOP Cert. No. D00011234

Technical Standards & Safety Authority
345 Carlingview Drive
Toronto, Ontario
M9W 6N9
www.tssa.org

(Show facsimile of logo or trademark, as it will appear on the fitting as evidence of certification)

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# DECLARATION OF CONFORMITY
## REGISTRATION OF FITTINGS

FOR TSSA OFFICE USE ONLY

2026-02376
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0C26525.52
See acceptance letter for conditions of registration.
Date: 2026-05-19 By: Wayne Gao
XINGWEI (WAYNE) GAO, P. Eng.
DOP: D00011234
This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

**Declaration No.:** (document nr. as issued by the manufacturer)
R-2291A/B

**Revision:** 0

**Manufacturer** (Name and Address)
Qingdao Dixon Valve & Fitting Co., Ltd., No. 757, Guangda Road, Huangdao District, Qingdao, China

***Table 1 Scope of Fitting Designs**

| Item No. | Type / Model | Product Description | Material of Construction | MDMT | Rated Pressure | | | References: Catalog (pages) or Drawing(s) |
|---|---|---|---|---|---|---|---|---|
| | | | | | At Ambient Temperature | At Maximum Temperature | | |
| 1 | IVC13BW, IVC13BL | Butterfly Valves | ASTM A536 65-45-12 | -20F or in accodance | 250 psig | 170 psig at 500F | | Design Report R-2291A Rev. 0 |
| 2 | 14TOV, 16TOV, | Butterfly Valves | ASTM A216-WCB, | with applicable code | See Scope of CRN | PER ASME B16.34 at | PER ASME B16.34 | Design Report R-2291B Rev. 0 |
| | 34TOV, 36TOV, | | ASTM A351-CF8M, | of construction | Document | at | | |
| | 54TOV, 56TOV | | Other ASME B16.34 | | | at | | |
| | | | | | | at | | |

****Table 2 Codes, Standards, Guidelines, and Other Applicable Documents**

| Item No. | Title of Code(s), Standard(s), Guideline(s), or Other Applicable Document(s) | Edition / Revision | Item No. | Title of Code(s), Standard(s), Guideline(s), or Other Applicable Document(s) | Edition / Revision |
|---|---|---|---|---|---|
| 1 | MSS SP-67 2022, ASME B31.3, 2024 | | 4 | | |
| 2 | API 609 Ninth Edition, ASME B16.34, 2020 | | 5 | | |
| 3 | | | 6 | | |

*****Table 3 Quality Program Verification and Manufacturing Sites**

| Item No. | Location(s) Plant Name and Address / Site(s) | Quality Program Certificate Number | Expiry Date | Verifying Organization |
|---|---|---|---|---|
| 1 | No. 757, Guangda Road, Huangdao District, Qingdao, China | 00123Q35372R3S/3700 | July 14, 2026 | China Quality Certification Centre |
| 2 | No. 757, Guangda Road, Huangdao District, Qingdao, China | 00123Q35372R3S/3700 | July 14, 2026 | China Quality Certification Centre |
| 3 | | | | |

*A copy of the Quality Certificate from each manufacturing site must be included.*

| Remarks | (other relevant information) |
|---|---|
| | |

As an official of the manufacturer with authority, and having responsibility for the conformity and regulatory compliance of the fittings, I hereby declare that the information and statements made in this declaration of conformity are true and accurate.

I declare, under our sole responsibility, that the design, construction, certification, and marking of the fitting(s) listed in Table 1*, are subject to a conformity assessment process and quality program that has been verified, as described in Table 3***.

I certify that the fittings (s) listed in Table 1* conform to: the provisions of the acts and regulations of the provinces and territories where the fitting(s) are registered; CSA B51;and the codes, standards, guidelines, or other applicable documents listed in Table 2**.

I further declare that there is a process in place for the retention of this declaration of conformity for not less than 10 years from the issuance of the Canadian Registration Number (CRN).

Signed for and on behalf of Qingdao Dixon Valve & Fitting Co., Ltd. (Manufacturer) in the Qingdao (City) of Shandong of China (State / Province, Country)

Bian Changqing (Name, please print), Chief Engineer (Function or Title), Bian changqing (Signature of Declarer), 1/20/26 (Date)

**QINGDAO DIXON VALVE & FITTING CO., LTD.**
No 757, Guangda Road,
Huangdao District,
Qingdao City, Shandong Province,
P.R. China

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18-Mar-26



## SCOPE OF CRN REGISTRATION

| Product Description | Design Code | Product Series | Body Material | Size Range | Process Connection | Pressure Class | MAWP at MAWT (Note 2,3) | MDMT | Report Number |
|---|---|---|---|---|---|---|---|---|---|
| Resilient Seated Butterfly Valve | MSS SP-67 2022, ASME B31.3 2024 | IVC13BW | Ductile Iron ASTM A536 65-45-12 | 2" thru 12" | Wafer | 150 | 250 psig at 100°F<br>235 psig at 200°F<br>215 psig at 300°F<br>200 psig at 400°F<br>170 psig at 500°F | -20°F | R-2291A Rev. 0 |
| | | IVC13BL | Ductile Iron ASTM A536 65-45-12 | 2" thru 12" | Lug | 150 | 250 psig at 100°F<br>235 psig at 200°F<br>215 psig at 300°F<br>200 psig at 400°F<br>170 psig at 500°F | -20°F | R-2291A Rev. 0 |

| Product Description | Design Code | Product Series | Body Material (Note 4) | Size Range | Process Connection | Pressure Class | MAWP at 100°F (Note 5, 6, 7, 8) | MDMT | Report Number |
|---|---|---|---|---|---|---|---|---|---|
| Tripple Offset Butterfly Valve | API 609 Ninth Edition, ASME B16.34 2020 | 14TOV | Carbon Steel ASTM A216-WCB | 2" thru 60" | Wafer | 150 | 285 psig at 100°F | -20°F | R-2291B Rev. 0 |
| | | | | 2" thru 48" | Lug | 150 | 285 psig at 100°F | | |
| | | | | 2" thru 60" | Flanged | 150 | 285 psig at 100°F | | |
| | | | | 6" thru 60" | Butt Weld | 150 | 285 psig at 100°F | | |
| | | 16TOV | Stainless Steel ASTM A351-CF8M | 2" thru 60" | Wafer | 150 | 275 psig at 100°F | -425°F | |
| | | | | 2" thru 48" | Lug | 150 | 275 psig at 100°F | | |
| | | | | 2" thru 60" | Flanged | 150 | 275 psig at 100°F | | |
| | | | | 6" thru 60" | Butt Weld | 150 | 275 psig at 100°F | | |
| | | 34TOV | Carbon Steel ASTM A216-WCB | 2" thru 48" | Wafer | 300 | 740 psig at 100°F | -20°F | |
| | | | | 2" thru 48" | Lug | 300 | 740 psig at 100°F | | |
| | | | | 2" thru 60" | Flanged | 300 | 740 psig at 100°F | | |
| | | | | 6" thru 24" | Butt Weld | 300 | 740 psig at 100°F | | |
| | | 36TOV | Stainless Steel ASTM A351-CF8M | 2" thru 48" | Wafer | 300 | 720 psig at 100°F | -425°F | |
| | | | | 2" thru 48" | Lug | 300 | 720 psig at 100°F | | |
| | | | | 2" thru 60" | Flanged | 300 | 720 psig at 100°F | | |
| | | | | 6" thru 24" | Butt Weld | 300 | 720 psig at 100°F | | |

**QINGDAO DIXON VALVE & FITTING CO., LTD.**
No 757, Guangda Road,
Huangdao District,
Qingdao City, Shandong Province,
P.R. China



## SCOPE OF CRN REGISTRATION

| Product Description | Design Code | Product Series | Body Material (Note 4) | Size Range | Process Connection | Pressure Class | MAWP at 100°F (Note 5, 6, 7, 8) | MDMT | Report Number |
|---|---|---|---|---|---|---|---|---|---|
| Tripple Offset Butterfly Valve | API 609 Ninth Edition, ASME B16.34 2020 | 54TOV | Carbon Steel ASTM A216-WCB | 2" thru 24" | Wafer | 600 | 1480 psig at 100°F | -20°F | R-2291B Rev. 0 |
| | | | | 2" thru 24" | Lug | 600 | 1480 psig at 100°F | | |
| | | | | 2" thru 36" | Flanged | 600 | 1480 psig at 100°F | | |
| | | | | 6" thru 24" | Butt Weld | 600 | 1480 psig at 100°F | | |
| | | 56TOV | Stainless Steel ASTM A351-CF8M | 2" thru 24" | Wafer | 600 | 1440 psig at 100°F | -425°F | |
| | | | | 2" thru 24" | Lug | 600 | 1440 psig at 100°F | | |
| | | | | 2" thru 36" | Flanged | 600 | 1440 psig at 100°F | | |
| | | | | 6" thru 24" | Butt Weld | 600 | 1440 psig at 100°F | | |

**Note 1**: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

**Valves Series IVC13BW and IVC13BL Notes:**

**Note 2**: The body design conditions shown are the maximum CRN pressure-temperature design condition for various temperatures. In all cases the maximum allowable working pressure (MAWP), maximum allowable working temperature (MAWT) and Minimum Design Metal Temperature (MDMT) may be limited by the seat, seal, closure disc or other considerations. Please consult the manufacturer.

**Note 3**: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

**Valves Series 14TOV, 16TOV, 34TOV, 36TOV, 54TOV and 56TOV Notes:**

**Note 4**: For valves meeting the requirements of ASME B16.34 other ASME B16.34 materials may be supplied. When this is the case the pressure-temperature ratings of the valves are to be in accordance with the applicable ASME B16.34 Table 2 ratings.

**Note 5**: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP, MAWT and MDMT may be limited by the seat or seal material or other considerations. Consult product literature.

**Note 6**: Pressure-temperature ratings above 100°F are in accordance with applicable ASME B16.34 Table 2 ratings.

**Note 7**: Per ASME B16.34 para. 2.3.2. the pressure rating for service at any temperature below -20°F shall be no greater that the ASME B16.34 ratings for -20°F. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

**Note 8:** Pressure-Temperature Ratings of buttweld end valves may be limited by the buttweld end pressure rating. Buttweld end pressure ratings shall be calculated in accordance with the rules of the applicable codes under which they are used.