



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

March 19, 2026

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14911242
Your Reference No.: R-2291
Registered to: QINGDAO DIXON VALVE & FITTING CO., LTD

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0C26525.5
Main Design No.: RESILIENT SEATED/TRIPLE OFFSET BUTTERFLY VALVE-SEE SCOPE OF CRN
REGISTRATION
Expiry Date: Mar 19, 2036

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Selina Di P. ENG
Engineer, BPV
Tel. : +1 416-734-3531
Email : sdi@tssa.org



Technical Standards & Safety Authority
 345 Carlingview Drive
 Toronto, Ontario
 M9W 6N9
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(Show facsimile of logo or trademark, as it will appear on the fitting as evidence of certification)



DECLARATION OF CONFORMITY REGISTRATION OF FITTINGS

FOR TSSA OFFICE USE ONLY

Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C26525.5

Signed: *S.D.*

Date: March 19, 2026

Expiry Date: Mar 19, 2036

SEE ATTACHED SCOPE OF CRN REGISTRATION

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 accordance	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	
	34TOV, 36TOV,							at
	54TOV, 56TOV							
			Other ASME B16.34			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. in the Qingdao of Shandong of China
 (Manufacturer) (City) (State / Province, Country)

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

QINGDAO DIXON VALVE & FITTING CO., LTD.

No 757, Guangda Road,
Huangdao District,
Qingdao City, Shandong Province,
P.R. China



18-Mar-26

THIS IS PART OF CRN
0C26525.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

PAGE 1 OF 2

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 235 psig at 200°F 215 psig at 300°F 200 psig at 400°F 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 235 psig at 200°F 215 psig at 300°F 200 psig at 400°F 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 than 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 butt-weld end valves may be limited by the butt-weld end pressure rating. Butt-weld end pressure ratings shall be calculated in accordance with the rules of the applicable codes under which they are used.