

July 18, 2020

Attention: Andre Schakel
WARREN VALVE CANADA ULC
1919 84 AVENUE
EDMONTON, AB T6P 1K1

The design submission, tracking number 2020-03109, originally received on June 16, 2020 was surveyed and accepted for registration as follows:

CRN : 0C15839.2 **Accepted on:** July 18, 2020
Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** June 23, 2025
Drawing No. : SCOPE OF FITTING DESIGNS
Fitting type: 1/2"-12" FLOATING BALL VALVES
Design registered in the name of : DONG YU (TONGBAI)PRECISION METAL CO LTD

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

- ** This registration covers only those valves that are in strict compliance with ASME B16.34, with respect to dimensions, pressure and temperature ratings, materials, markings etc.*
- ** See attachment 1, 2 and 3 details*
- ** for MDMT that is colder than -20 deg F, Charpy impact test will be conducted per applicable standard*

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is B16.34.

- 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 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 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 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 question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936



the pressure equipment safety authority

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

July 18, 2020

**STATUTORY DECLARATION
Registration of Fittings**
Single or Multiple Fitting Designs within one Fitting Category

I, YEH YANG-HAO, President
(name of applicant) (position title) (must be in a position of authority)
of DongYu(Tongbai)Precision Metal Co.,LTD
(name of manufacturer)
located at HuaiBei Industrial Area,Tongbai County,Henan Province,China
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

WARREN VALVE

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

- ☒ comply with the requirements of See Attachment 1 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or
(title of recognized North American Standard)
- ☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the
(title of code of construction or other applicable document)
attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

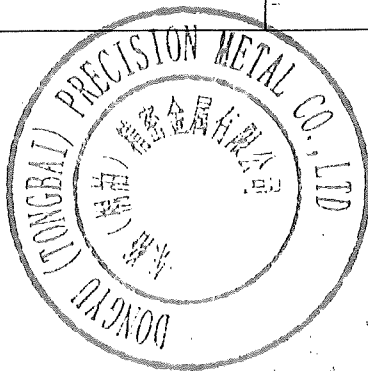
I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

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

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Ball 6155FS/6305FS/6605FS/ 5155FS/5305FS/5605FS/ 6157FS/6307FS/6607FS/ 5157FS/5307FS/5607FS	ISO 9001	Design and manufacturing of carbon steel and stainless steel valves.	2022.9.2	TUV	DongYu(TongBai) Precision Metal Co.,Ltd. HuaiBei Industrial Area,TongBai County, Henan Province, China.

2.	Ball 6156FS/6306FS/6606FS/ 5156FS/5306FS/5606FS/ 6152TT/6302TT/6159/6309	ISO 9001	Design and manufacturing of carbon steel and stainless steel valves.	2022.9.2	TUV	DongYu(TongBai) Precision Metal Co.,Ltd. HuaiBei Industrial Area, TongBai County, Henan Province, China.



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

Supporting document number, attachment 2, attachment 3, supporting document like GAD.

complete Table 1 below, make list of size range, by item / pressure class

YEH Yang hao

(Signature of the Declarer)

sign / date

2020. 5. 29

(Date)

DECLARED before me at Tongbai City in the Henan Province of China
(city) (province, territory, or state)

this 29th day of May, 2020
(Month) (Year)

(print)

(a Commissioner of Oaths or Notary Public)

(sign)

(a Commissioner of Oaths or Notary Public)

(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: Tongbai City, Henan Province, China
(province, territory, or state)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category _____.

CRN: _____

Registered Date: _____

Expiry Date: _____

Signature: _____

(Signature of the Administrator/SCO)

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 Pressure Equipment Discipline

2020-03109

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0C15839.2

**See acceptance letter for
conditions of registration.**

Date: 2020-07-18

By:

Ashling Dick

ASHLING DICK, P. Eng.

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.

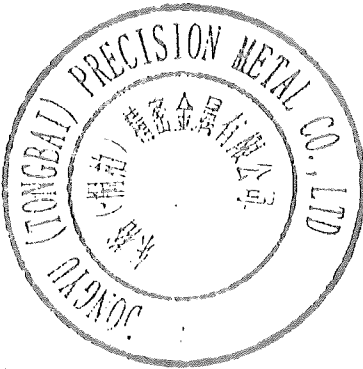


Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
Floating ball	Body / adaptor	ASTM A351 CF8M	Raise face flange 1/2" ~ 12"	- 50 °F	275 psi @ -50 °F ~ 100 °F 720 psi @ -50 °F ~ 100 °F 1440 psi @ -50 °F ~ 100 °F	211 psi @ 320 °F 551 psi @ 320 °F 1101 psi @ 320 °F	150# 300# 600#	ASME B16.34	Attachment2 Attachment3
Floating ball	Body / adaptor	ASTM A351 CN7M	Raise face flange 1/2" ~ 12"	- 20 °F	230 psi @ -20 °F ~ 100 °F 600 psi @ -20 °F ~ 100 °F	176 psi @ 320 °F 456 psi @ 320 °F	150# 300#	ASME B16.34	Attachment2 Attachment3
Floating ball	Body / adaptor	ASTM A494 CW12MW	Raise face flange 1/2" ~ 12"	- 20 °F	230 psi @ -20 °F ~ 100 °F 600 psi @ -20 °F ~ 100 °F	198 psi @ 320 °F 514 psi @ 320 °F	150# 300#	ASME B16.34	Attachment2 Attachment3

Floating ball	Body / adaptor	ASTM A216 WCB	Raise face flange 1/2" ~ 12"	- 20 °F	285 psi @ -20 °F ~ 100 °F 740 psi @ -20 °F ~ 100 °F 1480 psi @ -20 °F ~ 100 °F	224 psi @ 320 °F 651 psi @ 320 °F 1301 psi @ 320 °F	150# 300# 600#	ASME B16.34	Attachment2 Attachment3
Floating ball	Body / adaptor	ASTM A352 LCC	Raise face flange 1/2" ~ 12"	- 50 °F	290 psi @ - 50 °F ~ 100 °F 750 psi @ - 50 °F ~ 100 °F 1500 psi @ - 50 °F ~ 100 °F	224 psi @ 320 °F 725 psi @ 320 °F 1445 psi @ 320 °F	150# 300# 600#	ASME B16.34	Attachment2 Attachment3

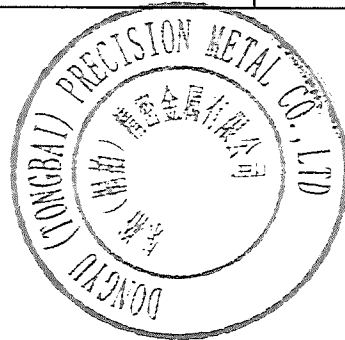
Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

Attachment 2

Doc.No:CRN-DY20200523-1 Rev.No:0						
No.	Type	Size	Class	Material	Design standard	Temperature scope
1	FLOATING BALL	1/2"~12"	150#,300#,600#	ASTM A351 CF8M	ASME B16.34	-46℃~160℃
2	FLOATING BALL	1/2"~12"	150#,300#	ASTM A351 CN7M		-29℃~160℃
3	FLOATING BALL	1/2"~12"	150#,300#	ASTM A494 CW12MW		-29℃~160℃
4	FLOATING BALL	1/2"~12"	150#,300#,600#	ASTM A216 WCB		-29℃~160℃
5	FLOATING BALL	1/2"~12"	150#,300#,600#	ASTM A352 LCC		-46℃~160℃



Attachment 3

FULL BORE BALL VALVE

Class 150

SIZE	PORT	L	ΦD	ΦC	ΦR	T	f	n	Φh	
DN15	1/2"	0.51	4.25	3.54	2.37	1.38	0.38	0.06	4	0.63
DN20	3/4"	0.75	4.61	3.94	2.76	1.69	0.38	0.06	4	0.63
DN25	1"	1.00	5.00	4.33	3.13	2.00	0.38	0.06	4	0.63
DN32	1 1/4"	1.25	5.50	4.53	3.50	2.50	0.47	0.06	4	0.63
DN40	1 1/2"	1.50	6.50	4.92	3.87	2.87	0.50	0.06	4	0.63
DN50	2"	2.00	7.00	5.984	4.75	3.62	0.56	0.06	4	0.75
DN65	2 1/2"	2.50	7.48	7.09	5.50	4.13	0.65	0.06	4	0.75
DN80	3"	3.00	8.00	7.48	6.00	5.00	0.69	0.06	4	0.75
DN100	4"	4.00	9.00	9.06	7.50	6.19	0.88	0.06	8	0.75
DN125	5"	5.00	13.94	10.04	8.50	7.31	0.88	0.06	8	0.88
DN150	6"	6.00	15.50	11.02	9.50	8.50	0.94	0.06	8	0.88
DN200	8"	8.00	18.00	13.58	11.75	10.62	1.06	0.06	8	0.88
DN250	10"	10.00	21.00	15.94	14.25	12.75	1.125	0.06	12	1.02
DN300	12"	12.00	24.00	19.10	17.00	15.00	1.19	0.06	12	1.00

Class 300

SIZE	PORT	L	ΦD	ΦC	ΦR	T	f	n	Φh	
DN15	1/2"	0.51	5.51	3.74	2.625	1.38	0.50	0.06	4	0.63
DN20	3/4"	0.75	5.98	4.53	3.25	1.69	0.563	0.06	4	0.75
DN25	1"	1.00	6.50	4.92	3.50	2.00	0.67	0.06	4	0.75
DN40	1 1/2"	1.50	7.48	6.10	4.50	2.87	0.81	0.06	4	0.88
DN50	2"	2.00	8.50	6.50	5.00	3.62	0.846	0.06	8	0.75
DN80	3"	3.00	11.10	8.27	6.63	5.00	1.063	0.06	8	0.88
DN100	4"	4.00	12.00	10.04	7.88	6.19	1.19	0.06	8	0.88
DN150	6"	6.00	15.86	12.60	10.62	8.50	1.38	0.06	12	0.88
DN200	8"	8.00	19.75	14.96	13.00	10.63	1.56	0.06	12	1.02

Class 600

SIZE		PORT	L	ΦD	ΦC	ΦR	T	f	n	Φh
DN15	1/2"	0.51	6.50	3.74	2.63	1.38	0.629	0.25	4	0.63
DN20	3/4"	0.75	7.48	4.53	3.25	1.69	0.68	0.25	4	0.75
DN25	1"	1.00	8.50	4.92	3.50	2.00	0.748	0.25	4	0.75
DN40	1 1/2"	1.50	9.50	6.10	4.50	2.87	0.90	0.25	4	0.88
DN50	2"	2.00	11.50	6.50	5.00	3.62	1.02	0.25	8	0.75
DN80	3"	3.00	14.01	8.27	6.62	5.00	1.25	0.25	8	0.88
DN100	4"	4.00	17.0	10.83	8.50	6.19	1.50	0.25	8	1.02

REDUCED BORE BALL VALVE

Class 150

SIZE		PORT	L	ΦD	ΦC	ΦR	T	f	n	Φh
DN40	11/2"	1.00	6.50	4.92	3.87	2.87	0.52	0.06	4	0.63
DN50	2"	1.50	7.00	5.984	4.75	3.62	0.63	0.06	4	0.75
DN65	2 1/2"	2.00	7.48	7.09	5.50	4.13	0.75	0.06	4	0.75
DN80	3"	2.30	8.00	7.48	6.00	5.00	0.75	0.06	4	0.75
DN100	4"	3.00	9.00	9.06	7.50	6.19	0.88	0.06	8	0.75
DN150	6"	4.01	10.50	11.02	9.50	8.50	0.94	0.06	8	0.88
DN200	8"	5.67	11.50	13.58	11.75	10.63	1.06	0.06	8	0.88
DN250	10"	7.32	13.00	15.94	14.25	12.75	1.125	0.06	12	1.02

Class 300

SIZE		PORT	L	ΦD	ΦC	ΦR	T	f	n	Φh
DN50	2"	1.50	8.50	6.50	5.0	3.62	0.88	0.06	8	0.75
DN80	3"	2.32	11.10	8.27	6.63	5.00	1.08	0.06	8	0.88
DN100	4"	3.00	12.00	10.04	7.87	6.19	1.19	0.06	8	0.88
DN150	6"	4.01	15.87	12.60	10.62	8.50	1.38	0.06	12	0.88

Class 600

SIZE		PORT	L	ΦD	ΦC	ΦR	T	f	n	Φh
DN50	2"	1.50	11.50	6.50	5.00	3.62	1.02	0.25	8	0.75
DN80	3"	2.00	14.01	8.27	6.63	5.00	1.25	0.25	8	0.88
DN100	4"	3.00	17.00	10.83	8.50	6.19	1.50	0.25	8	1.02

Attachment 1:

Re: ABSA " STATUTORY DECLARATION " (form AB-41) - Registration of Fittings

For: DongYu(TongBai)Precision Metal Co.,LTD

Located at: HuaiBei Industrial Area,TongBai County,Henan Province,China

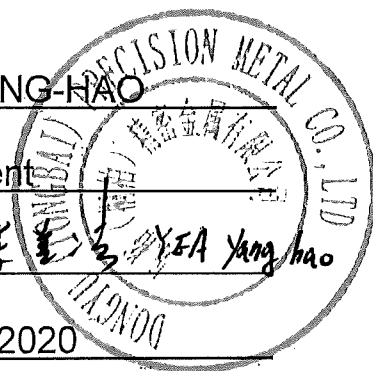
We do solemnly declare that the fittings listed hereunder,which are subject to the Safety Codes Act,comply with the requirements of API 607-2016/API 598-2016/ASME B16.34-2017/ASME B16.10-2017/ASME B16.5-2017/ISO 5211-2017/ISO 15848-2015/ NACE MR0175-2015/NACE MR0103-2016/CSA Z245.15-2017,which specifies the dimensions,materials of construction, pressure/temperature ratings identification making of the fittings.

NAME: YEH YANG-HAO

TITLE: President

SIGNATURE:  YEA yang hao

DATE: May.29,2020



公 证 书

(2020) 豫宛智证外民字第 766 号

申请人：东裕（桐柏）精密金属有限公司

统一社会信用代码：9141130076486719XH

住所：桐柏县淮北工业城

法定代表人：叶养浩，男，一九七九年六月十六日出生，
台湾居民来往大陆通行证号码：02178516。

公证事项：签名、印鉴

兹证明东裕（桐柏）精密金属有限公司的法定代表人叶养浩于二〇二〇年五月二十九日来到我处，在本公证员的面前，在前面的《ABSA 注册产品的法定声明函》上签名、盖章。

中华人民共和国河南省南阳市智圣公证处

公 证 员

芮 锐

二〇二〇年五月二十九日



IV47147106

NOTARIAL CERTIFICATE
(Translation)

(2020) Yu Wan Zhi Zheng Wai Min Zi, No.766

Applicant: Dong Yu (Tongbai) Precision Metal Co., LTD.

Unified Social Credit Code: 9141130076486719XH .

Address: Huaibei Industrial Area, Tongbai County.

Legal Representative: Ye Yanghao, male, born on Jun. 16, 1979, Card for Taiwan Inhabitants to Travel to the Mainland of China No.02178516.

Items for Notarization: signature & seal

This is to certify that Ye Yanghao, the legal representative of Dong Yu (Tongbai) Precision Metal Co., LTD. came to our notary office on May 29, 2020 , affixed his signature and the seal on the foregoing Statutory Declaration for the Registration of Fittings before me, the notary.

Notary: Rui Rui

Nanyang Zhisheng Notary Office,
Henan Province

The People's Republic of China

May 29, 2020