



the pressure equipment safety authority

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

September 13, 2016

Attention: Jim Brown
ENFLOW INDUSTRIES INC
3740E-11A STREET NE
CALGARY, AB T2E 6M6

Email: JBrown@enflow.ca

The design submission, tracking number 2016-04710, originally received on September 01, 2016 was surveyed and accepted for registration as follows:

CRN : 0C08028.2 Accepted on: September 13, 2016
Reg Type: Addition to Acc. Fitting Expiry Date: September 13, 2026
Drawing No. : CRN RENEWAL As Noted
Fitting type: VALVES

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 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.

This is CRN renewal. CRN covers the following valves: floating ball valves, Trunion Mounted ball Valves, Series E1,E2, E5 Ball valves, Gate, Globe, Check Forged Steel Valves and Gate, Globe, Check and Butterfly Cast Steel Valves

CRN covers only valves that are in full compliance with ASME ASME B16.34 and valves designed to API 6 D if the valves are also in full compliance with B16.34.

This acceptance letter supersedes a letter issued on 2016.09.13 to provide clarification on MDMT. Per ASME 16.34,2.3.2 "Some code or regulations may require impact testing for applications even where temperatures are higher than -29 deg.C (-20 deg.F) when such requirements apply, it is the responsibility of the user to ensure these requirements are communicated to the manufacturer prior to the time of purchase". The welding procedure shall be qualified to comply with a code of installation requirements for MDMT.

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 3330 or fax (780) 437-7787 or e-mail grynchuk@absa.ca.

Sincerely,

GRYNCHUK, MILLA



STATUTORY DECLARATION
Re- Registration of Fittings

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

EF or ENFLOW

I, JIM BROWN,

PRESIDENT

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

of ENFLOW INDUSTRIES INC

(name of manufacturer)

located at 3740E 11A STREET NE, CALGARY, ALBERTA CANADA T2E 6M6

(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 ASME B16.34, API 6D 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, API, ABSA, ISO (SAI Global) 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 CATEGORY C

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

Catalogues, current CRN for all jurisdictions, ISO Certificate, API certificate, ABSA certificate, ABSA form AB31 & AB257,

DECLARED before me at CALGARY in the PROVINCE of ALBERTA

this 30 day of August, 2016 (Year)

(print) Algenita Myzabekova
A Commissioner For Oaths
In and for the Province of Alberta
(sign) My Commission Expires February 02, 2017
(A Commissioner for Oaths)


(Signature of Applicant)

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

Registration Number: OC08028.2



(For the Administrator/Chief Inspector of Alberta)

Date Registered: SEP 13 2016

Expiry Date: 2017 Sept. 13

see acceptance letter



**DESIGN SCOPE FOR
REGISTRATION OF FITTINGS**
(Supplementary to Form AB-41)
AB-257 2016-01

Note: This form shall be completed and submitted with Form AB-41 Statutory Declaration Registration of Fittings.

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT -#°F	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ##°F	### psi @ ##°F		Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
Floating ball Valve	Body, End Cap	ASTM A216 gr WCB or ASTM A105N	RF	see attached Table 1A	see attached table 2A	-20F	ANSI 150 to ANSI 1500	API 6D, ASME B16.34, API 608	ENFLOW Floating Ball Valves catalog
Floating ball Valve	Body, End Cap	ASTM A352 gr LCC or ASTM A350 Gr LF2 cl 1,	RF	See attached Table 1D (LCC) Table 1B (LF2)	see attached Table 2B	-50F	ANSI 150 to ANSI 1500	API 6D, ASME B16.34, API 608	ENFLOW Floating Ball Valves catalog
Floating ball Valve	Body, End Cap	ASTM A182 gr F316 or ASTM A351 Grade CF8M	RF	See attached Table 1E & 1G	see attached Table 2A, 2B, and	minus321F	ANSI 150 to ANSI 1500	API 6D, ASME B16.34, API 608, BS 6364	ENFLOW Floating Ball Valves catalog

See acceptance letter for

ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. **NC08028.2**

DWG. NO. or CAT. NO. *see scope*

TYPE OF FITTINGS *valves*

SEP 13 2016 INITIALS *[Signature]*

MILLA GRYNCHUK, P.Eng.
DESIGN SURVEY ENGINEER



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				Pressure at Ambient Temp. ### psi @ ## °F	Pressure at Design Temp. ### psi @ ## °F				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ## °F	### psi @ ## °F		Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
Trunnion mounted ball Valve	Body, End Cap	ASTM A216 gr WCB or ASTM A105N	RF	see attached Table 1A	see attached table 2A	-20F	ANSI 150 to ANSI 2500	API 6D, ASME B16.34, API 608	ENFLOW Trunnion Mounted Ball Valves catalog
Trunnion mounted ball Valve	Body, End Cap	ASTM A352 gr LCC or ASTM A350 Gr LF2 cl 1,	RF	See attached Table 1D (LCC) Table 1B (LF2)	see attached Table 2B	-50F	ANSI 150 to ANSI 2500	API 6D, ASME B16.34, API 608	ENFLOW Trunnion Mounted Ball Valves catalog
Trunnion mounted ball Valve	Body, End Cap	ASTM A182 gr F316 or ASTM A351 Grade CF8M	RF	See attached Table 1E & 1G	see attached Table 2A, 2B,	minus321F	ANSI 150 to ANSI 2500	API 6D, ASME B16.34, API 608, BS 6364	ENFLOW Trunnion Mounted Ball Valves catalog

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Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MIDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers Pages # & #
				Pressure at Ambient Temp. @ ##°F	Pressure at Design Temp. @ ##°F				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ##°F	### psi @ ##°F	-##°F	Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
E1 SERIES Floating Ball VALVE	Body, Retainer	ASTM A105N	Female NPT	2000 psig @ 100 F	100 PSIG @ 400 F	-20F	API 602 CLASS 800 (2000 WOG)	ASME B16.34, API 608	ENFLOW E1 SERIES Ball Valve Brochure
E1 SERIES Floating Ball VALVE	Body, Retainer	ASTM A350 Gr LF2 class 1,	Female NPT	2000 psig @ 100 F	100 PSIG @ 400 F	-50F	API 602 CLASS 800 (2000 WOG)	ASME B16.34, API 608	ENFLOW E1 SERIES Ball Valve Brochure
E1 SERIES Floating Ball VALVE	Body, Retainer	ASTM A182 gr F316	Female NPT	1920 psig @ 100F	100 PSIG @ 400 F	minus 321F	API 602 CLASS 800 (2000 WOG)	ASME B16.34, API 608.	ENFLOW E1 SERIES Ball Valve Brochure

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Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp. ## psi @ ## °F	Pressure at Design Temp. ## psi @ ## °F				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)				Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
E3 SERIES Floating Ball VALVE	Body, End Cap	ASTM A105N ASTM A216 gr WCB	Female NPT, SW, SW x NPT	2000 psig @ 100 F	100 PSIG @ 400 F	-20F	API 602 CLASS 800 (2000 WOG)	ASME B16.34, API 608	ENFLOW/ E3 SERIES Ball Valve Brochure
E3 SERIES Floating Ball VALVE	Body, End Cap	ASTM A350 Gr LF2 class 1	Female NPT, SW, SW x NPT	2000 psig @ 100 F	100 PSIG @ 400 F	-50F	API 602 CLASS 800 (2000 WOG)	ASME B16.34, API 608	ENFLOW/ E3 SERIES Ball Valve Brochure
E3 SERIES Floating Ball VALVE	Body, End Cap	ASTM A182 gr F316 ASTM A351 gr CF8M	Female NPT, SW, SW x NPT	1920 psig @ 100F	100 PSIG @ 400 F	minus 321F	API 602 CLASS 800 (2000 WOG)	ASME B16.34, API 608.	ENFLOW/ E3 SERIES Ball Valve Brochure

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Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Example: SERIES XZ	Body A	A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ## °F	### psi @ ## °F	-## °F	Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
E5 SERIES Floating Ball VALVE	Body, End Cap	ASTM A105N ASTM A216 gr WCB	Female NPT, SW, SW x NPT	see attached table 1A	see attached table 2A	-20F	ANSI Class 1500 (4000 WOG)	ASME B16.34, API 6D	ENFLOW E5 SERIES Ball Valve Brochure
E5 SERIES Floating Ball VALVE	Body, End Cap	ASTM A105N ASTM A216 gr WCB	Female NPT, SW, SW x NPT	see attached table 1A	see attached table 2A	-20F	ANSI Class 2500 (6000 WOG)	ASME B16.34, API 6D	ENFLOW E5 SERIES Ball Valve Brochure
E5 SERIES Floating Ball VALVE	Body, End Cap	ASTM A350 Gr LF2 class 1	Female NPT, SW, SW x NPT	see attached table 1B	see attached table 2B	-50F	ANSI Class 1500 (4000 WOG)	ASME B16.34, API 6D	ENFLOW E5 SERIES Ball Valve Brochure
E5 SERIES Floating Ball VALVE	Body, End Cap	ASTM A350 Gr LF2 class 1	Female NPT, SW, SW x NPT	see attached table 1B	see attached table 2B	-50F	ANSI Class 2500 (6000 WOG)	ASME B16.34, API 6D	ENFLOW E5 SERIES Ball Valve Brochure
E5 SERIES Floating Ball VALVE	Body, End Cap	ASTM A182 gr F316 or ASTM A351 Grade CF8M	Female NPT, SW, SW x NPT	See attached Table 1E	see attached Table 2A, 2B,	minus 321F	ANSI Class 1500 (4000 WOG)	ASME B16.34, API 6D	ENFLOW E5 SERIES Ball Valve Brochure
E5 SERIES Floating Ball VALVE	Body, End Cap	ASTM A182 gr F316 or ASTM A351 gr CF8M	Female NPT, SW, SW x NPT	See attached Table 1E	see attached Table 2A, 2B,	minus 321F	ANSI Class 2500 (6000 WOG)	ASME B16.34, API 6D	ENFLOW E5 SERIES Ball Valve Brochure

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DESIGN SCOPE FOR REGISTRATION OF FITTINGS (Supplementary to Form AB-41)

AB-257 2016-01

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Product Description	Primary/Pressure Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ## °F	### psi @ ## °F	-## °F	Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
ENFLOW/ Cast Steel Gate, Globe, Check, butterfly Valves	Body, Bonnet	ASTM A105N ASTM A216 gr WCB	RF, RTJ, WELD END	see attached table 1A	see attached table 2C	-20F	ANSI Class 150 to ANSI Class 2500	ASME B16.34, (ALL) API 600 (GATE), BS 1873 (GLOBE), BS 1868 / API 6D / API 594 (CHECK), API 609 (BUTTERFLY)	ENFLOW/ Cast Steel (Gate Globe, Check & Butterfly) Catalogue
ENFLOW/ Cast Steel Gate, Globe, Check, butterfly Valves	Body, Bonnet	ASTM A352 GR LCC	RF, RTJ, WELD END	see attached table 1D	see attached table 2D	-50F	ANSI Class 150 to ANSI Class 2500	ASME B16.34, (ALL) API 600 (GATE), BS 1873 (GLOBE), BS 1868 / API 6D / API 594 (CHECK), API 609 (BUTTERFLY)	ENFLOW/ Cast Steel (Gate Globe, Check & Butterfly) Catalogue
ENFLOW/ Cast Steel Gate, Globe, Check, butterfly Valves	Body, Bonnet	ASTM A351 GR CF8M	RF, RTJ, WELD END	see attached table 1E	see attached table 2F	minus 321F	ANSI Class 150 to ANSI Class 2500	ASME B16.34, (ALL) API 600 (GATE), BS 1873 (GLOBE), BS 1868 / API 6D / API 594 (CHECK), API 609 (BUTTERFLY)	ENFLOW/ Cast Steel (Gate Globe, Check & Butterfly) Catalogue

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Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT -#°F	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp. ##°psi @ ##°F	Pressure at Design Temp. ##°psi @ ##°F				
ENFLOW Forged Steel Gate, Globe, Check Valves	Body, Bonnet	ASTM A105N	RF, RTJ, SW, NPT, SW x NPT	see attached table 1A	see attached table 2C	-20F	ANSI Class 150 to ANSI Class 2500	ASME B16.34, API 602,	ENFLOW Forged Steel (Gate Globe, Check) Catalogue
ENFLOW Forged Steel Gate, Globe, Check Valves	Body, Bonnet	ASTM A350 GR LF2	RF, RTJ, SW, NPT, SW x NPT	see attached table 1D	see attached table 2D	-50F	ANSI Class 150 to ANSI Class 2500	ASME B16.34, API 602,	ENFLOW Forged Steel (Gate Globe, Check) Catalogue
ENFLOW Forged Steel Gate, Globe, Check Valves	Body, Bonnet	ASTM A182 GR F316	RF, RTJ, SW, NPT, SW x NPT	see attached table 1E & 1G	see attached table 2F	minus 321F	ANSI Class 150 to ANSI Class 2500	ASME B16.34, API 602,	ENFLOW Forged Steel (Gate Globe, Check) Catalogue

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