



To:	TSSA	From:	Janet Townsend
Company:	DSS Valves	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4922	Date:	May 28, 2018

Your File: 2269808

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of DSS Valves. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces. The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0C18279.26.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Program Manager
CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org

REGISTERED



CRN: CSA - OC18279.26

Registration Process administered by CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I: TRENT RUNYON

(Name of applicant)

PRESIDENT

(Position eg, president, plant manager, chief eng.)

of DSS VALVES

(name of company)

Located at 1760 MAYFLOWER ROAD, NILES, MICHIGAN, 49120

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

[X] comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or [] are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2015, and has been verified by the following authority or authorized agency PECB

The fittings covered by this declaration, for which I seek registration, are CATEGORY C

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

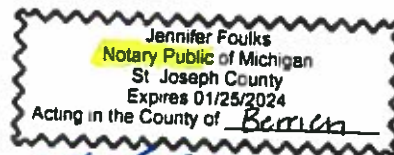
SCOPE OF CRN, REPORTS

Declared before me at Niles, Michigan

In the of State of Michigan

The 8th day of January AD 2018

Jennifer Foulks A (commissioner for oaths)



Signature of Declarer

For Official Use Only

The application is accepted for registration in Category C in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. FEB. 05. 2028

Registered Number CRN CSA - OC18279.26



For the Chief Inspector A. BANWATT Date MAY. 28. 2018

1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted. 2 All fittings are required to be registered in the name of the Manufacturer. 3 This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.





Technical Safety Authority of Saskatchewan

REGISTERED



CRN: **CSA-0C18279.26**

PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255

Email: boilerpermits@tsask.ca
Website: www.tsask.ca

2202 2nd Ave.
Regina, SK S4R 1K3

Registration Process administered by

CSA Group per CSA B51

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, **TRENT RUNYON**

PRESIDENT

(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: **DSS VALVES**

(name of manufacturer)

located at: **1760 MAYFLOWER ROAD**

(Plant Address - Apt/Street)

NILES, MICHIGAN

(City, Prov)

49120, U.S.A.

(Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the *Saskatchewan Boiler and Pressure Vessel Safety Act* (check one)

Comply with the requirements of **ASME B31.3** 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 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, **ISO 9001:2015** PECB as being suitable for the manufacturer 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:

SCOPE OF CRN, REPORTS

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



II. Declaration

DECLARED before me at Niles In the State of Michigan

this 8th day of January 2018

Jennifer Foulks
(print name)

Jennifer Foulks
Notary Public of Michigan
St. Joseph County
Expires 01/25/2024

(Signature)

Jennifer Foulks
(Signature of Commissioner of Oaths)

Acting in the County of Bureau

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the *Boiler and Pressure Vessel Safety Act* and CSA B51, Clause 4.2 and is accepted for registration in Category C

CSA-0C18279.26

(Registration Number)

MAY 28 2018

(Date Registered - MM DD YYYY)
(For the Administrator / Chief Inspector)

FEB. 05. 2028

(Expiry Date - MM DD YYYY)

A. BANWATT

*Note: See the attachment for the scope of the registration.



TSK-1008
Rev. 10/2012
Page 1 of 1

February 05, 2018

Attention: Scott Islip
ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

Email: scott.islip@roundeng.com

The design submission, tracking number 2018-00446, originally received on January 23, 2018 was surveyed and accepted for registration as follows:

CRN : 0C18279.2 Accepted on: February 05, 2018
Reg Type: NEW DESIGN Expiry Date: February 05, 2028
Drawing No. : SEE SCOPE OF CRN REGISTRATION PAGES 1 & 2 As Noted
Fitting type: DSS VALVES MODEL SSKGV & DBB SIZES 2"-36"
Design registered in the name of : DSS VALVES

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

Severe Service Knife Gate Valves (SSKGV) and Double Block and Bleed (DBB)

1- The Pressure / Temperature rating as stated on Page 2 of the scope of CRN registration, dated on 13-Jan-18, attached to Statutory Declaration form.

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

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.

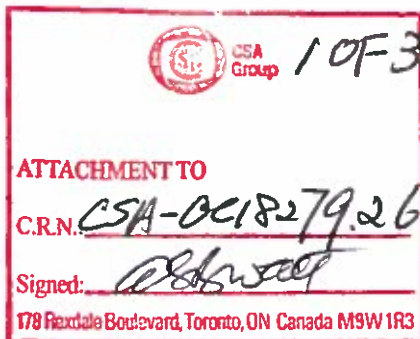
Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3376 or fax (780) 437-7787 or e-mail issa@absa.ca.

Sincerely,



ISSA, SAMIR, P. Eng.



DSS Valves
1760 MAYFLOWER RD.
NILES, MI
49120

FEB 05 2018



13-Jan-18

OC18279.2

PAGE 1 OF 2

SCOPE OF CRN REGISTRATION

Product Description	DSS Series	Size Range	Pressure Rating (Note 1, 2, 3)	End Connection (Note 4)	Design Code	Material Specification
Severe Service Knife Gate Valve	SSKGV	2" thru 36"	CL150, 300, 600 per ASME B16.34 Nonmandatory Appendix B	2" thru 24": ASME B16.5 CL150, 300, 600 Wafer / Lug, 26" thru 36": ASME B16.47 Series A CL150, 300, 600 Wafer / Lug	ASME B16.34	317 Stainless Steel - ASTM A351 - CG8M UNS J93000 AL6XN - ASTM A351 - CN3MN UNS J94651 Duplex 2205 Stainless Steel - ASTM A240 UNS S31803 Duplex 2205 Stainless Steel - ASTM A995-4A CD3MN UNS J92205 Super Duplex 2507 Stainless Steel - ASTM A240 UNS S32750 Super Duplex 2507 Stainless Steel - ASTM A995-5A CE3MN UNS J93404 Titanium Grade 2 - ASTM B265 Grade 2 Titanium Grade 2 - ASTM B367 Grade C-2 UNS R50400 Titanium Grade 5 - ASTM B265 Grade 5 Titanium Grade 5 - ASTM B367 Grade C-5 UNS R56400 Titanium Grade 7 - ASTM B265 Grade 7 Titanium Grade 8 - ASTM B367 Grade C-8 UNS R54810 Titanium Grade 12 - ASTM B265 Grade 12 Titanium Grade 12 - ASTM B367 Grade C-12 UNS R53400 Titanium Grade 12 - ASTM B367 Grade 12 NI-Resist 1 - ASTM A436 Grade 1 UNS F41000 NI-Resist D2 - ASTM A439 Grade D2 UNS F43000 17-4 PH - ASTM A693 Grade 630 UNS S17400 17-4 PH - ASTM A747 Grade CB7Cu-1 UNS J92180
Double Block and Bleed	DBB	2" thru 36"	CL150, 300, 600 per ASME B16.34 Nonmandatory Appendix B	2" thru 24": ASME B16.5 CL150, 300, 600 Lug, 26" thru 36": ASME B16.47 Series A CL150, 300, 600 Lug	ASME B16.34	317 Stainless Steel - ASTM A351 - CG8M UNS J93000 AL6XN - ASTM A351 - CN3MN UNS J94651 Duplex 2205 Stainless Steel - ASTM A240 UNS S31803 Duplex 2205 Stainless Steel - ASTM A995-4A CD3MN UNS J92205 Super Duplex 2507 Stainless Steel - ASTM A240 UNS S32750 Super Duplex 2507 Stainless Steel - ASTM A995-5A CE3MN UNS J93404 Titanium Grade 2 - ASTM B265 Grade 2 Titanium Grade 2 - ASTM B367 Grade C-2 UNS R50400 Titanium Grade 5 - ASTM B265 Grade 5 Titanium Grade 5 - ASTM B367 Grade C-5 UNS R56400 Titanium Grade 7 - ASTM B265 Grade 7 Titanium Grade 8 - ASTM B367 Grade C-8 UNS R54810 Titanium Grade 12 - ASTM B265 Grade 12 Titanium Grade 12 - ASTM B367 Grade 12 NI-Resist 1 - ASTM A436 Grade 1 UNS F41000 NI-Resist D2 - ASTM A439 Grade D2 UNS F43000 17-4 PH - ASTM A693 Grade 630 UNS S17400 17-4 PH - ASTM A747 Grade CB7Cu-1 UNS J92180

CSA Group
ATTACHMENT TO
C.R.N. CSA-0018279.026
Signed: [Signature]
178 Redvale Boulevard, Toronto, ON Canada M9W 1R3

DSS Valves
 1760 MAYFLOWER RD.
 NILES, MI
 49120



13-Jan-18

PAGE 2 OF 2

CHART 1: DSS SSKGV AND DBB MAWP AT 100F

Material Specification	Maximum Allowable Working Pressure (MAWP) at 100F		
	CL150 (psig)	CL300 (psig)	CL600 (psig)
317 Stainless Steel - ASTM A351 - CG8M UNS J93000	275	720	1440
AL6XN - ASTM A351 - CN3MN UNS J94651	260	670	1345
Duplex 2205 Stainless Steel - ASTM A240 UNS S31803	290	750	1500
Duplex 2205 Stainless Steel - ASTM A995-4A CD3MN UNS J92205	290	750	1500
Super Duplex 2507 Stainless Steel - ASTM A240 UNS S32750	290	750	1500
Super Duplex 2507 Stainless Steel - ASTM A995-5A CE3MN UNS J93404	290	750	1500
Titanium Grade 2 - ASTM B265 Grade 2	205	536	1071
Titanium Grade 2 - ASTM B367 Grade C-2 UNS R50400	205	536	1071
Titanium Grade 5 - ASTM B265 Grade 5	290	750	1500
Titanium Grade 5 - ASTM B367 Grade C-5 UNS R56400	290	750	1500
Titanium Grade 7 - ASTM B265 Grade 7	205	536	1071
Titanium Grade 8 - ASTM B367 Grade C-8 UNS R54810	267	696	1393
Titanium Grade 12 - ASTM B265 Grade 12	290	750	1500
Titanium Grade 12 - ASTM B367 Grade C-12 UNS R53400	290	750	1500
Ni-Resist 1 - ASTM A436 Grade 1 UNS F41000	103	268	N/A
Ni-Resist D2 - ASTM A439 Grade D2 UNS F43000	237	617	N/A
17-4 PH - ASTM A693 Grade 630 UNS S17400	290	750	1500
17-4 PH - ASTM A747 Grade CB7Cu-1 UNS J92180	290	750	1500

39F3

ATTACHMENT TO

C.R.N. CSA-0018-79.26

Signed: *[Signature]*

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

Note 1: In all cases the pressure-temperature ratings of the valves may be limited by the seat and seal materials. Consult literature.

Note 2: Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 3: For valve materials not listed in ASME B16.34 the maximum allowable working temperature of the valves is limited by the valve material and the published valve material allowable stress values in the ASME B31.3 and/or ASME Section II Part D Codes. Materials with no published elevated temperature properties are limited to 100F maximum operating temperature when used under this CRN.

Note 4: In all cases the pressure-temperature ratings of a flanged valve are limited by the pressure-temperature rating of the flange.

Note 5: See Chart 1 for calculated Maximum Allowable Working Pressure (MAWP) at 100F for various valve pressure classes and materials.

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0C18279.2

DWG. NO. or CAT. NO. *Supers of SSKGV and DBB*

TYPE OF FITTINGS *DSS Valves and DBB*

FEB 05 2018

Date *10 Feb*

SAMIR ISSA, P.ENG.
DESIGN SURVEY ENGINEER

See Appendix letter 10/1/18

CERTIFICATE

PECB hereby certifies that the management system of

DSS Valves

1760 Mayflower Road, Niles, Michigan, 49120, USA

Has been assessed and found to be in accordance
with the management system requirements in

ISO 9001:2015

Certification Scope:

Design, Assembly, and Test of Knife Gate Valves


Eric Lachapelle
CEO

Montréal	2017-10-10
Certificate No.	C260-QMS117-10-17
Certified since	2017-10-10
Valid from	2017-10-10
until	2020-10-09


Faton Aliu
President and COO

**Subject to annual surveillance audits*

This assessment and certification was conducted in accordance with the PECB auditing and certification procedures

This certificate can be validated by email request at: ms@pecb.com
www.pecb.com



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March 2017

CRN – Canadian Registration Numbers - Saskatchewan

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in Saskatchewan Canada.