

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.

STATUTORY DECLARATION Registration of Fittings

I, TRENT RUNYON, PRESIDENT of DSS VALVES located at 1760 MAYFLOWER ROAD, NILES, MICHIGAN, 49120



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes 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 are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with 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, ISO 9001:2015 PECB 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: SCOPE OF CRN, REPORTS

DECLARED before me at Niles in the State of Michigan this 8th day of January, 2018. Jennifer Foulks (Notary Public of Michigan, St. Joseph County, Expires 01/25/2024, Acting in the County of Berrien). Jennifer Foulks (signature of applicant)

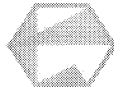
For ABSA Office Use Only:

NOTES: To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category C. Registration Number: 0C18279.2 Date Registered: FEB 05 2018 Expiry Date: February 05, 2018

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.

* See the attached two pages 1 & 2 for the scope of registration and the acceptance letter notes for TN: 2018-00446. Samir/SSA Feb 05, 2018

FEB 05 2018



DSS
 VALVES

0 C 1 8 2 7 9 . 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	
						ASME B31.3	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		
					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	
						ASME B31.3	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		
					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							



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

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.

ASBA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. **0C18279.2**

DWG. NO. or CAT. NO. *Support CRN registration by 142*

TYPE OF FITTINGS *DSS Valves Model SSKGV & DBB sizes 2" - 36"*

FEB 05 2018 INITIALS *Samir I*

Date *4/2/2018* **SAMIR ISSA, P.ENG.**
 DESIGN SURVEY ENGINEER

See Acceptance Literature