



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

[www.tssa.org](http://www.tssa.org)

March 21, 2018

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CA

Service Request Type: BPV-Fitting Registration  
Service Request No.: 2251440  
Your Reference No.: R-0851  
Registered to: DSS VALVE PRODUCTS INC.

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 No.: **0C18279.25**  
Main Design No.: VALVES - MODEL SSKGV & DBB SIZES 2"-36" - SEE SCOPE OF  
REGISTRATION (2 PGS)  
Expiry Date: 05-Feb-2028

Note: Design codes are ASME B16.34 and ASME B31.3

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

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto: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,

Alan Wu P. Eng.  
Mechanical Engineer, BPV  
Tel. : 416-734-3443  
Fax : 416-231-6183  
Email : [awu@tssa.org](mailto:awu@tssa.org)



**TECHNICAL STANDARDS & SAFETY AUTHORITY**  
 14th Floor, Centre Tower  
 3300 Bloor Street West  
 Toronto, Ontario  
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



## STATUTORY DECLARATION Registration of Fittings

I, TRENT RUNYON

*(Name and Position, e.g. President, Plant Manager, Chief Engineer)*

of DSS VALVES

*(Name of Manufacturer)*

Located at 1760 MAYFLOWER ROAD, NILES, MICHIGAN, 49120

*(Plant Address)*

269-409-6080

*(Telephone No.)*

269-409-6099

*(Fax No.)*

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

*(Title of recognized North American Standard)*

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, PECB.

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN, REPORTS

*(drawings, calculations, test reports, etc.)*

Declared before me at Niles in the State of Michigan  
 the 8<sup>th</sup> day of January AD 2018.

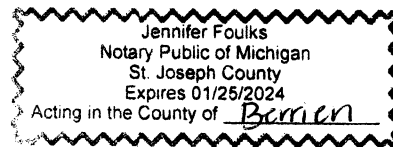
Commissioner for Oaths:

Jennifer Foulks

*(Printed name)*

Jennifer Foulks

*(Signature)*



[Signature]  
*(Signature of Declarer)*

### FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

**Technical Standards and Safety Authority**

**Boilers and Pressure Vessels Safety Program**

**REGISTERED**

CRN: 0C18279.25

C.R.N.: 0C18279.25

Registered by: Alan Wu

Signed: [Signature]

Dated: Mar 21, 2018

Date: Mar 21, 2018

NOTE: This registration expires on Feb 5, 2028

SEE ATTACHED SCOPE DOCUMENT  
 DESIGN CODES: ASME B16.34 AND ASME B31.3

**DSS Valves**  
 1760 MAYFLOWER RD.  
 NILES, MI  
 49120



13-Jan-18

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					
					ASME B16.34	AL6XN - ASTM A351 - CN3MN UNS J94651					
					ASME B16.34	Duplex 2205 Stainless Steel - ASTM A240 UNS S31803					
					ASME B16.34	Duplex 2205 Stainless Steel - ASTM A995-4A CD3MN UNS J92205					
					ASME B16.34	Super Duplex 2507 Stainless Steel - ASTM A240 UNS S32750					
					ASME B31.3	Super Duplex 2507 Stainless Steel - ASTM A995-5A CE3MN UNS J93404					
					ASME B31.3	Titanium Grade 2 - ASTM B265 Grade 2					
					ASME B31.3	Titanium Grade 2 - ASTM B367 Grade C-2 UNS R50400					
					ASME B31.3	Titanium Grade 5 - ASTM B265 Grade 5					
					ASME B31.3	Titanium Grade 5 - ASTM B367 Grade C-5 UNS R56400					
					ASME B31.3	Titanium Grade 7 - ASTM B265 Grade 7					
					ASME B31.3	Titanium Grade 8 - ASTM B367 Grade C-8 UNS R54810					
					ASME B31.3	Titanium Grade 12 - ASTM B265 Grade 12					
					ASME B31.3	Titanium Grade 12 - ASTM B367 Grade C-12 UNS R53400					
					ASME B31.3	Ni-Resist 1 - ASTM A436 Grade 1 UNS F41000					
					ASME B31.3	Ni-Resist D2 - ASTM A439 Grade D2 UNS F43000					
					ASME B31.3	17-4 PH - ASTM A693 Grade 630 UNS S17400					
					ASME B31.3	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
										ASME B16.34	AL6XN - ASTM A351 - CN3MN UNS J94651
ASME B16.34	Duplex 2205 Stainless Steel - ASTM A240 UNS S31803										
ASME B16.34	Duplex 2205 Stainless Steel - ASTM A995-4A CD3MN UNS J92205										
ASME B16.34	Super Duplex 2507 Stainless Steel - ASTM A240 UNS S32750										
ASME B31.3	Super Duplex 2507 Stainless Steel - ASTM A995-5A CE3MN UNS J93404										
ASME B31.3	Titanium Grade 2 - ASTM B265 Grade 2										
ASME B31.3	Titanium Grade 2 - ASTM B367 Grade C-2 UNS R50400										
ASME B31.3	Titanium Grade 5 - ASTM B265 Grade 5										
ASME B31.3	Titanium Grade 5 - ASTM B367 Grade C-5 UNS R56400										
ASME B31.3	Titanium Grade 7 - ASTM B265 Grade 7										
ASME B31.3	Titanium Grade 8 - ASTM B367 Grade C-8 UNS R54810										
ASME B31.3	Titanium Grade 12 - ASTM B265 Grade 12										
ASME B31.3	Titanium Grade 12 - ASTM B367 Grade C-12 UNS R53400										
ASME B31.3	Ni-Resist 1 - ASTM A436 Grade 1 UNS F41000										
ASME B31.3	Ni-Resist D2 - ASTM A439 Grade D2 UNS F43000										
ASME B31.3	17-4 PH - ASTM A693 Grade 630 UNS S17400										
ASME B31.3	17-4 PH - ASTM A747 Grade CB7Cu-1 UNS J92180										

**THIS IS PART OF**  
**CRN 0618279, 25**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

**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

**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.

**THIS IS PART OF**  
**CRN 0C18279.25**  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program