



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

July 11, 2018

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

Service Request Type.: BPV-National MB  
Service Request No.: 2269814  
Your Reference No.: R-0851  
Registered to.: DSS VALVE PRODUCTS INC.

Dear SCOTT ISLIP,

Please find enclosed the original response from MB, registered under the CRN No.: 0C18279.24.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)



**Inspection and Technical Services Manitoba**  
508 - 401 York Avenue  
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T (204) 945-3373  
F (204) 948-2309  
[www.firecomm.gov.mb.ca/codes\\_steam\\_pressure.html](http://www.firecomm.gov.mb.ca/codes_steam_pressure.html)

June 7, 2018

TSSA  
345 Carlingview Drive  
Toronto, ON  
M9W 6N9

Attn: Joanna Karpinski

**REGISTRATION OF VALVES AND FITTINGS**

**Manufacturer:** DSS VALVE PRODUCTS INC.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

<b>DRAWING / CATALOGUE</b>	<b>CRN</b>	<b>FILE</b>
MODEL SSKGV & DBB SIZES 2" - 36"	0C18279.24	38811

**An invoice covering survey and registration fees is enclosed.**

**NOTES:**

- 1. CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **ABSA**. This registration expires **February 5, 2028**.*

This registration is valid until the indicated expiry date 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.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

**Ryan Orlesky, C.E.T.**  
Design Surveyor  
Office of the Fire Commissioner  
Inspection and Technical Services Manitoba  
508 - 401 York Avenue  
Winnipeg, Manitoba, R3C 0P8  
Phone: 204-945-3373  
Email: [ryan.orlesky@gov.mb.ca](mailto:ryan.orlesky@gov.mb.ca)



**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 8th day of January AD 20 18

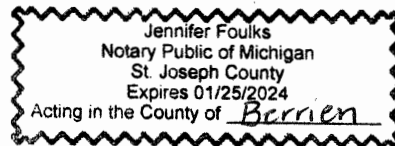
Commissioner for Oaths:

Jennifer Foulks

(Printed name)

Jennifer Foulks

(Signature)



Trent Runyon

(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

CRN: OC18<sup>279</sup>7.24

Registered by: RYAN ORLESKI

Dated: JUNE 7, 2018

NOTE: This registration expires on NOV 23, 2027 FEB 5, 2028

PV 09553 (06/04)



**DSS Valves**

1760 MAYFLOWER RD.  
NILES, MI  
49120



13-Jan-18

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**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.



**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
						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
	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					

Inspection & Technical Services  
 Manitoba  
**Manitoba**  
 THIS IS PART OF CRN  
 OC18127.24  
 Office of the Fire Commissioner