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June 20, 2018

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

Service Request Type.: BPV-National BC
Service Request No.: 2269798
Your Reference No.: R-0851
Registered to.: DSS VALVE PRODUCTS INC.

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0C18279.251.

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. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Joanna Karpinski

Tel: 416-734-3377
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TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: May 4, 2018

Account #: 35231

Journal #: 70603

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2269798, for a Fitting is accepted for registration as follows:

Registered To: DSS VALVES

CRN: 0C18279.251

Drawing #: R-0851

Drawing Revision: 0

Conditions Of Registration:

Registration of Model SSKGV & DBB Valves Sizes 2"-36" per att'd scope of registration sheets (2 pages).

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

Design codes are ASME B16.34 and ASME B313. As required by CSA B51 4.2.1, this registration expires on February 05, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca
Design Administration

cc:



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											



CRN #: 0C18279.251
 Date: May 2, 2018
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THIS IS PART OF
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 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program



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.



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