

May 15, 2020

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2020-02558, originally received on May 12, 2020 was surveyed and accepted for registration as follows:

CRN : 0C22353.52 **Accepted on:** May 15, 2020
Reg Type: NEW DESIGN **Expiry Date:** April 19, 2030
Drawing No. : SCOPE OF CRN REGISTRATION
Fitting type: DSS KNIFE GATE VALVES SERIES M81
Design registered in the name of : DSS VALVES

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

*** Design code in accordance with ASME B31.3 and MSS SP-81*

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

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.*
- 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.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936

STATUTORY DECLARATION Registration of Fittings

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



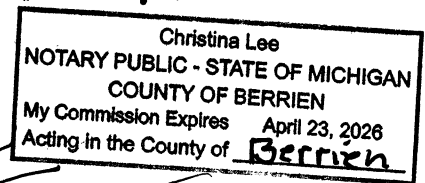
do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of MSS SP-81 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 [title of code of construction or other applicable document] 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 KNIFE GATE VALVE

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 11th day of November, 2019 (print) Christina Lee (a Commissioner of Oaths or Notary Public) (sign) Christina Lee (a Commissioner of Oaths or Notary Public) [signature of applicant]



For ABSA Office Use Only:

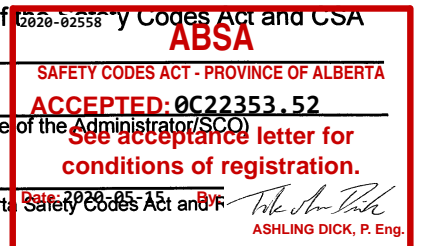
NOTES: Design code in accordance with ASME B31.3 and MSS SP-81, see Scope of CRN Registration.

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

Registration Number: [blank] (Signature of the Administrator/SCO)

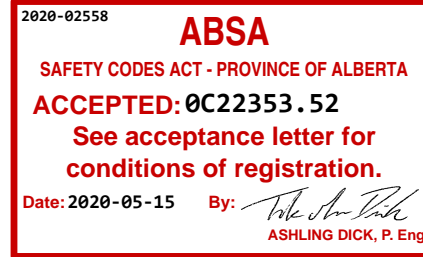
Date Registered: [blank] Expiry Date: [blank]

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and the Pressure Equipment Discipline.



DSS Valves

1760 MAYFLOWER RD.
NILES, MI
49120



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

SCOPE OF CRN REGISTRATION

Product Description	DSS Series	Design Code	Size Range	Material Specification	MAWP at MAWT	Report Number
Knife Gate Valve	M81	MSS SP-81 ASME B31.3	2" thru 12" CL. 150 FF Lugged Full Face	ASTM A351-CF8M, ASTM A351-CF8, ASTM A351-CG8M, ASTM A351-CF3, ASTM A351-CF3M, ASTM A240-304, ASTM A240-316, ASTM A240-317, ASTM A240-304L, ASTM A240-316L, ASTM A240-317L	150 psig at 150°F	R-1189
Knife Gate Valve	M81	ASME B31.3	2" thru 12" CL. 150 FF Lugged Full Face	ASTM A216-WCB, ASTM A352-LCC, ASTM A436 Grade 1 UNS F41000 (Note 4), ASTM A439 Grade D2 UNS F43000, ASTM A995-4A CD3MN UNS J92205, ASTM A995-5A CE3MN UNS J93404	150 psig at 150°F	R-1189

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: In all cases the pressure-temperature ratings of the valves may be limited by the seat and seal materials. Consult literature.

Note 3: Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 4: ASTM A436 Grade 1 UNS F41000 is limited to 100°F maximum operating temperature when used under this CRN as this material has no elevated temperature properties published in ASME B31.3 or ASME Section II Part D.