

REGISTRATION OF A PRESSURE FITTING DESIGN

04-Jun-20

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Tanya Francis

File Number: 11512 [0 F]

Re: Manufacturer: DSS Valves
Item: DSS Knife Gate Valves Series M81
Catalog or Drawing: Per Scope of Registration

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OC22353.53 Expiry Date: April 19, 2030

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

CRN registered conditional upon compliance with the notes on the original TSSA registration.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, TRENT RUNYON
PRESIDENT
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: DSS VALVES
(name of manufacturer)

located at: 1760 MAYFLOWER ROAD NILES, MICHIGAN 49120, U.S.A.
(Plant Address – Apt/Street) (City, Prov) (Postal Code)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of MSS SP-81 which specifies the dimensions, (title of recognized North American Standard) 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 _____ as supported by the 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 manufacturer 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 manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY C - KNIFE GATE VALVES

In support of this application, the following information, calculations and / or test data are attached:
SCOPE OF CRN, REPORTS

II. Declaration

DECLARED before me at Niles In the State of Michigan
this 11th day of November, 2019

Christina Lee
(print name)
Christina Lee
(Signature of Commissioner of Oaths)

Christina Lee
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF BERRIEN
My Commission Expires April 23, 2026
Acting in the County of Berrien

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____

Technical Safety Authority of Saskatchewan

Registration No. OC22353.53

File No. 11512

Date: June 4, 2020

Expiry Date: April 19, 2030

Codes & Standards Compliance Office

(Date Registered – MM DD YYYY) (Expiry Date – MM DD YYYY)
(For the Administrator / Chief Inspector)

DSS Valves

1760 MAYFLOWER RD.
NILES, MI
49120



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.