



Inspection and Technical Services Manitoba

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February 14, 2017

Pressure Vessel Engineering
120 Randall Dr. Suite B
Waterloo, ON
N2V 1C6

Attn: Catherine Diplock

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: MARSHALL EXCELSIOR CO.

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.

DRAWING / CATALOGUE	CRN	FILE
10594S-0 SCOPE OF REG.	0C18912.54	37309

An invoice covering survey and registration fees is enclosed.

NOTE:** CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **TSSA** This registration expires **November 10, 2026.

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
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MANITOBA

DEPARTMENT OF LABOUR
AND IMMIGRATION
500 - 401 York Avenue
Winnipeg, Manitoba R3C 0P8



STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification

1. FRANCO DOMINGO
(See Note 2)

VICE PRESIDENT

(Position e.g.: president, plant manager, chief eng.)

of Marshall Excelsior Company

(Name of company)

located at 1506 George Brown Drive, Marshall, MI, 49068

(Plant Address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act,

comply with all the requirements of the ANSI/ASME codes as to their dimensions.

or

- x are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with
ASME B31.3 2014 Ed. code or standard, and are designed to the best current
engineering practice, as shown by the supporting test data.

(b) Quality Control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of
ISO 9001, and has been verified by the following authority or authorized agency TRC

The fittings covered by this declaration, for which I seek registration, are Valves

In support of the application, the following information, calculations and/or test data are attached:

See Scope of Registration 10594s-0, Calculations, Burst Test Report, Drawings, QC certificate

Declared before me at CALHOUN COUNTY in the province/state of MICHIGAN the 25
day of AUGUST AD 20 2016

A (commissioner for oaths)

Jennifer Modert

[Signature]

Signature of Declarer

JENNIFER MODERT
Notary Public, State of Michigan
County of Calhoun
My Commission Expires Jan. 22, 2020
Acting in the County of Calhoun

(For Official Use Only)

The application is accepted for registration in Category C in accordance with the Boilers and Pressure Vessels Act
and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

EXPIRES: NOV 10, 2026

Registered Number CRN OC 8912.54 For the Chief Inspector

[Signature]

Date: FEB 14, 2017

Notes:

- (1) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.
- (2) Two completed copies of Statutory Declaration form together with two copies of Catalogs, drawings or Bulletins illustrating above fittings shall be submitted.
- (3) All fittings are required to be registered in the name of the Manufacturer.

Design Data:

- **Design Code:** ASME B31.3 2014 Edition
- **Design Pressure:** 400 psi
- **Design Temperature:** 200°F (for A536 65-45-12, A581 303)
- **Design Temperature:** 100°F (for B16 C36000, B283 C37700 and A576 12L14)
- **M.D.M.T:** -44 °F @ 400 psi
- **Corrosion allowance:** 0 - for non-corrosive service
- **RT:** None
- **PWHT:** None



Scope List:

Model & Part No.	Main Body Material	Model & Part No.	Main Body Material
Valves - Forklift		Valves - Flanged	
ME790	ASTM B16 C36000	ME873SXX-16	ASTM A536 65-45-12
ME790L	ASTM B16 C36000	ME873SXX-24	ASTM A536 65-45-12
ME790LSN	ASTM B16 C36000	ME883S-10/XX	ASTM A536 65-45-12
ME790SN	ASTM B16 C36000	ME883S-16/X	ASTM A536 65-45-12
Valves - Breakaways		Valves - Excess Flow	
ME860S-6	12L14 - own spec.	ME880-4/1.8	ASTM B16 C36000
ME860S-8	12L14 - own spec.	ME880-6/X	ASTM B16 C36000
ME860S-10	12L14 - own spec.	ME880-10/X	ASTM B16 C36000
ME861S-6	12L14 - own spec.	ME880-12/95	ASTM B16 C36000
ME861S-8	12L14 - own spec.	ME880-16/X	ASTM B16 C36000
ME861S-10	12L14 - own spec.	ME880S-6/X	12L14 - own spec.
Valves - Toggle		ME880S-10/X	12L14 - own spec.
ME791X	ASTM B283 C37700	ME880S-16/X	12L14 - own spec.
ME791XJ	ASTM B283 C37700	ME880S-24/X	12L14 - own spec.
ME792X	ASTM B283 C37700	ME880SS-6/X	ASTM A581 303
ME792XJ	ASTM B283 C37700	ME880SS-10/X	ASTM A581 303
Valves - Check		ME880SS-16/X	ASTM A581 303
ME870-6	ASTM B16 C36000	ME882S-16X	12L14 - own spec.
ME870-10	ASTM B16 C36000	ME882S-24/X	12L14 - own spec.
ME870-12	ASTM B16 C36000		
ME870-16	ASTM B16 C36000		
ME870S-6	12L14 - own spec.		
ME870S-10	12L14 - own spec.		
ME870S-24	12L14 - own spec.		
ME870SBN-24	12L14 - own spec.		
ME870SS-6	ASTM A581 303		
ME870SS-10	ASTM A581 303		
ME870SXX-16	12L14 - own spec.		
ME872S-16	12L14 - own spec.		
ME872S-24	12L14 - own spec.		
ME872S-24SP	12L14 - own spec.		