

May 13, 2021

Attention: Ryan McLachlan
SLEEGERS ENGINEERED PRODUCTS INC
5 CUDDY BOULEVARD
LONDON, ON N5V 4S1

The design submission, tracking number 2021-01558, originally received on March 23, 2021 was surveyed and accepted for registration as follows:

CRN : 0H21477.2 **Accepted on:** May 13, 2021
Reg Type: NEW DESIGN **Expiry Date:** May 13, 2031
Drawing No. : SCOPE OF FITTING DESIGN REGISTRATION
Fitting type: SAFETY RELIEF VALVE MANIFOLDS: ME902, ME903, ME904
Design registered in the name of : MARSHALL EXCELSIOR COMPANY

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

- ** *The safety relief valves that are installed into the manifolds must have a valid Alberta CRN (category G fitting) suitable for the pressure and temperature rating*
- ** *Pneumatic test as per ASME Section VIII Div.1 para. UG-100, and ASME B31.3 para. 345.5*
- ** *Design code for ME90XSN-3F and ME90XSN-4F: ASME Section VIII Div.1 and ASME B31.3*
- ** *Design code for ME90XS-16X: ASME B31.3*

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are SECTION VIII, DIV. 1 and ASME B31.3.

- *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, press./temp. 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,



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

May 13, 2021

A handwritten signature in black ink, appearing to read 'Peter Ashling'. The signature is fluid and cursive, with a large initial 'P'.

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

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

I, James C. Zuck, Director of Marketing and Reg. Compliance
(name of applicant) (position title) (must be in a position of authority)
of Marshall Excelsior Company
(name of manufacturer)
located at 1506 George Brown Drive, Marshall, Michigan 49068 USA
(plant address)

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 hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of ANSI / UL 132 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 (title of code of construction or other applicable document) 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.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Relief Valve Manifolds, ME902, ME903, & ME904	ISO 9001	Valves for Gas and Fluid Systems	10/21/2021	The Registrar Company (TRC)	1506 George Brown Drive, Marshall, MI, US
2.						

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

UL Certificate of Compliance, UL Test Reports for File MH46024, and additional supporting calculations

(Signature of the Declarer)

3/8/2021 (Date)

DECLARED before me at _____ in the _____ of _____

this _____ day of _____, _____

(print) _____ (a Commissioner of Oaths or Notary Public)

(sign) _____ (a Commissioner of Oaths or Notary Public)

_____ (expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: _____ (province, territory, or state)

For ABSA Office Use Only:

NOTES: ** See attached scope of fitting design registration

** Safety Relief Valve Manifolds: ME902, ME903, ME904

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category _____. CRN: _____ Registered Date: _____ Expiry Date: _____ Signature: _____ (Signature of the Administrator/SCO) The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2021-01558 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0H21477.2 See acceptance letter for conditions of registration. Date: 2021-05-13 By: Ashling Dick, P. Eng.

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.

Table 1 – Scope of Fitting Design Registration

Type of fittings & Model Numbers & Standard of Construction	Relief Valve Manifolds - Models ME90XS-16X/250, ME90XS-16X/250HN, , ME90XS-16X/250VM, ME90XS-16X/265, ME90XS-16X/265HN, , ME90XS-16X/265VM, ME90XSN-3F/250VM, ME90XSN-3F/265VM, ME90XSN-4F/250VM, ME90XSN-4F/265VM – ANSI/UL 132, Latest Edition
Pressure Setting & Sizes	Model numbers denoted with "/250", i.e. "ME90XX/250XX", have a set pressure of 250 psig and model numbers denoted with "/265", i.e. ME90XX/265XX, have a set pressure of 265 psig. Models denoted with "-16", "-3F" and "-4F" are NPS 2", 3", and 4", respectively
Material Specifications	ME90XS-16X: Design code: ASME B31.3 <ul style="list-style-type: none"> • ASTM A536 Gr. 65-45-12 (Body) • ASTM A536 Gr. 65-45-12 (Bonnet) ME90XSN-3F and ME90XSN-4F: Design code: ASME Section VIII Div.1 & ASME B31.3 <ul style="list-style-type: none"> • ASTM A395 Gr. 60-40-18
Valve Ends	Models denoted with "-16" are threaded (Male NPT) and models denoted with "-3F" and "-4F" are flanged (ANSI 300#)

2021-01558

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0H21477.2

See acceptance letter for conditions of registration.

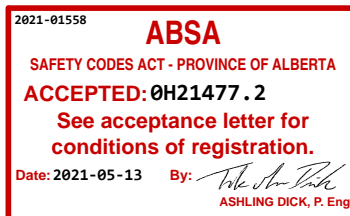
Date: 2021-05-13 By: *Ashling Dick*
 ASHLING DICK, P. Eng.

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.

Appendix 1 – Drawings

Model Number	Description	Drawing Number
ME90XSN-3F – 3” Relief Valve Manifold	Assembly	ME90XX-XF-XXX Rev. J
	Body	ME904S-3F-01-01 Rev. L ME904S-01-01 Rev. E (Casting)
	Liquid Vent Valve	MEJ402S Rev. J ➤ Registered under CRN 0C19405.5C
	Gland and Packing	ME904S-08 Rev. A (Lower Stem Bearing) ME904S-03 Rev. A (Gland Seat Gasket) ME904S-04 Rev. A (Gland) ME904S-028 Rev. A (Valve Seat Gasket) ME904SN-01 Rev. C (Clapper Seat) ME904S-05 Rev. A (Rotary Cam) ME904S-06 Rev. B (Stem Cap Screw) ME904S-09 Rev. A (Gland Spring) ME904S-010 Rev. A (Male Adapter, V-Packing) ME904S-011 Rev. A (V-Packing) ME904S-012 Rev. A (Gland Bearing) ME904S-013 Rev. A (Upper Stem Bearing) ME904S-014-01 Rev. C (Stem Gear)
	Rotary Valve Assembly	ME904S-07 Rev. A (Assembly) ME904S-07-07 Rev C (Stem) ME904S-07-01 Rev. B (Arm) ME904S-07-02 Rev. B (Pilot Stem) ME904S-07-03 Rev. A (Curved Disk Spring) ME904S-07-05 Rev. A (Pilot Seal) ME904S-07-04 Rev. C (Clapper) ME904S-029 Rev. A (Leaf Spring) ME904S-06 Rev. B (Leaf Spring Cap Screw)
	Nameplates	ME904S-031 Rev. A (Nameplate) ME904S-030 Rev. A (Installation Nameplate)
	Gasket	ME904S-027 Rev. B (Installation Gasket)
	ME90XSN-4F – 4” Relief Valve Manifold	Body
	All other drawings are the same as ME90XSN-3F	
ME90XS-16X – 2” Relief Valve Manifold	Assembly	ME904S-16X-XXX Rev. D
	Bonnet	ME904S-16-102-01 Rev. K ME904S-16-102-02 Rev. E (Casting)
	Body	ME904S-16-101-01 Rev. H ME904S-16-101-02 Rev. D (Casting)

Main O-ring Seal	ME904SX-16-107 Rev. F
Screw	ME904S-16-109 Rev. A ➤ McMaster-Carr Specification Sheet for Part Number 91274A312
Liquid Vent Valve	MEJ402S Rev. J ➤ Registered under CRN 0C19405.5C
Gland and Packing	ME904S-08 Rev. A (Lower Stem Bearing) ME904S-03 Rev. A (Gland Seat Gasket) ME904S-04 Rev. A (Gland) ME904S-09 Rev. A (Gland Spring) ME904S-010 Rev. A (Male Adapter, V-Packing) ME904S-011 Rev. A (V-Packing) ME904S-012 Rev. A (Gland Bearing) ME904S-013 Rev. A (Upper Stem Bearing) ME904S-014-01 Rev. C (Stem Gear)
Clapper Assembly	ME904SX-16-903 Rev. B (Assembly) ME904S-07-07 Rev C (Stem) ME904S-16-103 Rev. C (Arm) ME980-10-153 Rev. A (Inside Clapper Washer) ME904S-07-02 Rev. B (Pilot Stem) ME904S-07-03 Rev. A (Curved Disk Spring) ME904S-07-05 Rev. A (Pilot Seal) ME904SX-16-111 Rev. B (Clapper-Bonded) ME904S-16-111-01 Rev. B (Clapper) ME904S-029 Rev. A (Leaf Spring) ME904S-06 Rev. B (Leaf Spring Cap Screw)
Nameplates	ME904S-16-112 Rev. B (Nameplate) ME904S-16-115 Rev. A (Installation Nameplate) ME904S-16-116 Rev. A (Removal Nameplate)



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.

ALBERTA BOILERS SAFETY ASSOCIATION
9410 20 AVENUE NW
EDMONTON AB T6N 0A4

Date: May 31, 2021
Account #: 34986
Journal #: 78032

Attn: NATHALIE DUGO

Re: Application for Design Registration

The design, as detailed in your, marshall 2021-01558, for a Fitting is accepted for registration as follows:

Registered To: MARSHALL EXCELSIOR COMPAN` **CRN:** 0H21477.21

Drawing #: Scope of Registration

Drawing Revision: -

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:

Scope of Registration: SCOPE OF FITTING DESIGN REGISTRATION

As required by CSA B51 4.2.1, this registration expires on 13-May-2031. 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. Any additional conditions of registration stated in ABSA CRN# 0H21477.2 registration shall apply to BC registration.

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

Emilia Tam

emilia.tam@technicalsaftybc.ca
Design Administration

cc:

REGISTRATION OF A PRESSURE FITTING DESIGN

02-Jun-21

ABSA
9410 20th Avenue NW
Edmonton, AB
T6N 0A4

Attention: Nathalie Dugo

File Number: 12054 [0 F]

Re: Manufacturer: Marshall Excelsior Company
Item: Safety Relief Valve Manifolds
Catalog or Drawing: Per Scope of Registration & Drawings Appendix 1

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:

OH21477.23 Expiry Date: May 13, 2031

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:

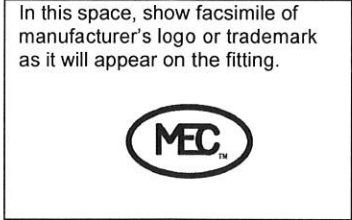
A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Conditional upon compliance with the notes on the original ABSA registration. Registered design codes per ABSA registration letter.

Due to COVID-19 restrictions, this registration is conditional based on TSASK receiving a valid Statutory Declaration that has been witnessed and signed by a Commissioner of Oaths or a Notary Public at your earliest convenience.

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

I, James C. Zuck, Director of Marketing and Reg. Compliance
(name of applicant) (position title) (must be in a position of authority)
of Marshall Excelsior Company
(name of manufacturer)
located at 1506 George Brown Drive, Marshall, Michigan 49068 USA
(plant address)



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

- comply with the requirements of ANSI / UL 132 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or
(title of recognized North American Standard)
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the
(title of code of construction or other applicable document)
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.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Relief Valve Manifolds, ME902, ME903, & ME904	ISO 9001	Valves for Gas and Fluid Systems	10/21/2021	The Registrar Company (TRC)	1506 George Brown Drive, Marshall, MI, US
2.						

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

UL Certificate of Compliance, UL Test Reports for File MH46024, and additional supporting calculations

[Handwritten Signature]
(Signature of the Declarer)

3/8/2021
(Date)

DECLARED before me at _____ in the _____ of _____
(city) (province, territory, or state)

this _____ day of _____, _____
(Month) (Year)

(print) _____
(a Commissioner of Oaths or Notary Public)

(sign) _____
(a Commissioner of Oaths or Notary Public)

(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: _____
(province, territory, or state)

For ABSA Office Use Only:

NOTES: _____

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category _____.
CRN: _____
Registered Date: _____
Expiry Date: _____
Signature: _____
(Signature of the Administrator/SCO)
The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

Technical Safety Authority of Saskatchewan
Registration No. OH21477.23
File No. 12054
Registered
Date: June 2, 2021
Expiry Date: May 13, 2031
Codes & Standards Compliance Office

As noted - refer to registration letter

Table 1 – Scope of Fitting Design Registration

Type of fittings & Model Numbers & Standard of Construction	Relief Valve Manifolds - Models ME90XS-16X/250, ME90XS-16X/250HN, , ME90XS-16X/250VM, ME90XS-16X/265, ME90XS-16X/265HN, , ME90XS-16X/265VM, ME90XSN-3F/250VM, ME90XSN-3F/265VM, ME90XSN-4F/250VM, ME90XSN-4F/265VM – ANSI/UL 132, Latest Edition
Pressure Setting & Sizes	Model numbers denoted with "/250", i.e. "ME90XX/250XX", have a set pressure of 250 psig and model numbers denoted with "/265", i.e. ME90XX/265XX, have a set pressure of 265 psig. Models denoted with "-16", "-3F" and "-4F" are NPS 2", 3", and 4", respectively
Material Specifications	ME90XS-16X: <ul style="list-style-type: none"> • ASTM A536 Gr. 65-45-12 (Body) • ASTM A536 Gr. 65-45-12 (Bonnet) ME90XSN-3F and ME90XSN-4F: <ul style="list-style-type: none"> • ASTM A395 Gr. 60-40-18
Valve Ends	Models denoted with "-16" are threaded (Male NPT) and models denoted with "-3F" and "-4F" are flanged (ANSI 300#)



Registration No. OH21477.23
 File No. 12054

 Date: June 2, 2021
 Expiry Date: May 13, 2031
 Codes & Standards Compliance Office

Appendix 1 – Drawings

Model Number	Description	Drawing Number
ME90XSN-3F – 3” Relief Valve Manifold	Assembly	ME90XX-XF-XXX Rev. J
	Body	ME904S-3F-01-01 Rev. L ME904S-01-01 Rev. E (Casting)
	Liquid Vent Valve	MEJ402S Rev. J ➤ Registered under CRN 0C19405.5C
	Gland and Packing	ME904S-08 Rev. A (Lower Stem Bearing) ME904S-03 Rev. A (Gland Seat Gasket) ME904S-04 Rev. A (Gland) ME904S-028 Rev. A (Valve Seat Gasket) ME904SN-01 Rev. C (Clapper Seat) ME904S-05 Rev. A (Rotary Cam) ME904S-06 Rev. B (Stem Cap Screw) ME904S-09 Rev. A (Gland Spring) ME904S-010 Rev. A (Male Adapter, V-Packing) ME904S-011 Rev. A (V-Packing) ME904S-012 Rev. A (Gland Bearing) ME904S-013 Rev. A (Upper Stem Bearing) ME904S-014-01 Rev. C (Stem Gear)
	Rotary Valve Assembly	ME904S-07 Rev. A (Assembly) ME904S-07-07 Rev C (Stem) ME904S-07-01 Rev. B (Arm) ME904S-07-02 Rev. B (Pilot Stem) ME904S-07-03 Rev. A (Curved Disk Spring) ME904S-07-05 Rev. A (Pilot Seal) ME904S-07-04 Rev. C (Clapper) ME904S-029 Rev. A (Leaf Spring) ME904S-06 Rev. B (Leaf Spring Cap Screw)
	Nameplates	ME904S-031 Rev. A (Nameplate) ME904S-030 Rev. A (Installation Nameplate)
	Gasket	ME904S-027 Rev. B (Installation Gasket)
ME90XSN-4F – 4” Relief Valve Manifold	Body	ME904S-4F-01-01 Rev. L casting
	All other drawings are the same as ME90XSN-3F	
ME90XS-16X – 2” Relief Valve Manifold	Assembly	ME904S-16X-XXX Rev. D
	Bonnet	ME904S-16-102-01 Rev. K ME904S-16-102-02 Rev. E (Casting)
	Body	ME904S-16-101-01 Rev. H ME904S-16-101-02 Rev. D (Casting)



Main O-ring Seal	ME904SX-16-107 Rev. F
Screw	ME904S-16-109 Rev. A ➤ McMaster-Carr Specification Sheet for Part Number 91274A312
Liquid Vent Valve	MEJ402S Rev. J ➤ Registered under CRN 0C19405.5C
Gland and Packing	ME904S-08 Rev. A (Lower Stem Bearing) ME904S-03 Rev. A (Gland Seat Gasket) ME904S-04 Rev. A (Gland) ME904S-09 Rev. A (Gland Spring) ME904S-010 Rev. A (Male Adapter, V-Packing) ME904S-011 Rev. A (V-Packing) ME904S-012 Rev. A (Gland Bearing) ME904S-013 Rev. A (Upper Stem Bearing) ME904S-014-01 Rev. C (Stem Gear)
Clapper Assembly	ME904SX-16-903 Rev. B (Assembly) ME904S-07-07 Rev C (Stem) ME904S-16-103 Rev. C (Arm) ME980-10-153 Rev. A (Inside Clapper Washer) ME904S-07-02 Rev. B (Pilot Stem) ME904S-07-03 Rev. A (Curved Disk Spring) ME904S-07-05 Rev. A (Pilot Seal) ME904SX-16-111 Rev. B (Clapper-Bonded) ME904S-16-111-01 Rev. B (Clapper) ME904S-029 Rev. A (Leaf Spring) ME904S-06 Rev. B (Leaf Spring Cap Screw)
Nameplates	ME904S-16-112 Rev. B (Nameplate) ME904S-16-115 Rev. A (Installation Nameplate) ME904S-16-116 Rev. A (Removal Nameplate)

	Technical Safety Authority of Saskatchewan
Registration No. _____	OH21477.23
File No. _____	12054
<input type="button" value="Registered"/>	
Date: _____	June 2, 2021
Expiry Date: _____	May 13, 2031
<small>Codes & Standards Compliance Office</small>	



Inspection and Technical Services
Municipal Relations
508-401 York Ave
Winnipeg, Manitoba Canada R3C 0P8
T 204-945-3373 F 204-948-2089
www.firecomm.gov.mb.ca/itsm_main

1er juin 2021

ABSA
9410-20 Avenue NW
Edmonton, AB T6N 0A4

Dear Nathalie Dugo

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 74-R1551
CRN: 0H21477.24
Scope: SOR: Appendix 1 - Drawings ME90XX-XF-XXX Rev J and
ME904S-16X-XXX Rev D
Manufacturer: Marshall Excelsior Company
Expiry Date: 13 May 2031

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact gasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services
Municipal Relations
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3373 | F (204) 948-2089



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

July 27, 2021

ALBERTA BOILERS SAFETY ASSOCIATION
9410 20 AVE NW
EDMONTON AB T6N 0A4

Workorder Type: Registration - Fitting(Conventional)

Workorder No: 8017358

Your Reference No.: PORTAL#2021-S0573, 2021-01558 - CRN#0H21477.2 - SAFETY RELIEF VALVE
MANIFOLDS ME-902, ME-903, ME-904 - MARSHALL EXCELSIOR COMPANY

Registered to: MARSHALL EXCELSIOR COMPANY

Dear NATHALIE DUGO,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0H21477.25

Main Design No.: Safety Relief Valve Manifolds: ME902, ME903, ME904 per Scope of Fitting Design Registration
Expiry Date: May 13, 2031

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Note: The safety relief valves that are installed into the manifolds must have a valid Ontario CRN (category G fitting) suitable for the pressure and temperature rating

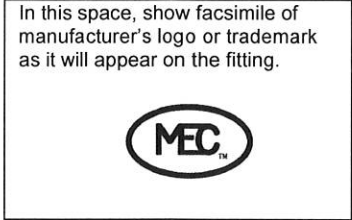
The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Zivko Gacevic , P. Eng.
Engineer, BPV
Tel. : +1 416-734-3429
Email : zgacevic@tssa.org

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

I, James C. Zuck, Director of Marketing and Reg. Compliance
(name of applicant) (position title) (must be in a position of authority)
of Marshall Excelsior Company
(name of manufacturer)
located at 1506 George Brown Drive, Marshall, Michigan 49068 USA
(plant address)



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

- comply with the requirements of ANSI / UL 132 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or
(title of recognized North American Standard)
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the
(title of code of construction or other applicable document)
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.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Relief Valve Manifolds, ME902, ME903, & ME904	ISO 9001	Valves for Gas and Fluid Systems	10/21/2021	The Registrar Company (TRC)	1506 George Brown Drive, Marshall, MI, US
2.						

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

UL Certificate of Compliance, UL Test Reports for File MH46024, and additional supporting calculations

[Signature] (Signature of the Declarer)

3/8/2021 (Date)

DECLARED before me at _____ in the _____ of _____ (city) (province, territory, or state)

this _____ day of _____, _____ (Month) (Year)

(print) _____ (a Commissioner of Oaths or Notary Public)

(sign) _____ (a Commissioner of Oaths or Notary Public)

_____ (expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: _____ (province, territory, or state)

For ABSA Office Use Only:

NOTES: _____

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category 'H'. CRN: _____ Registered Date: _____ Expiry Date: May 13, 2031 Signature: _____ (Signature of the Administrator/SCO) The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program REGISTERED C.R.N.: 0H21477.25 Signed: [Signature] Date: July 27, 2021.

Table 1 – Scope of Fitting Design Registration

Type of fittings & Model Numbers & Standard of Construction	Relief Valve Manifolds - Models ME90XS-16X/250, ME90XS-16X/250HN, , ME90XS-16X/250VM, ME90XS-16X/265, ME90XS-16X/265HN, , ME90XS-16X/265VM, ME90XSN-3F/250VM, ME90XSN-3F/265VM, ME90XSN-4F/250VM, ME90XSN-4F/265VM – ANSI/UL 132, Latest Edition
Pressure Setting & Sizes	Model numbers denoted with "/250", i.e. "ME90XX/250XX", have a set pressure of 250 psig and model numbers denoted with "/265", i.e. ME90XX/265XX, have a set pressure of 265 psig. Models denoted with "-16", "-3F" and "-4F" are NPS 2", 3", and 4", respectively
Material Specifications	ME90XS-16X: <ul style="list-style-type: none"> • ASTM A536 Gr. 65-45-12 (Body) • ASTM A536 Gr. 65-45-12 (Bonnet) ME90XSN-3F and ME90XSN-4F: <ul style="list-style-type: none"> • ASTM A395 Gr. 60-40-18 Models denoted with "-16" are threaded (Male NPT) and models denoted with "-3F" and "-4F" are flanged (ANSI 300#)
Valve Ends	

THIS IS PART OF CRN
0H21477.25
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

Appendix 1 – Drawings

Model Number	Description	Drawing Number
ME90XSN-3F – 3” Relief Valve Manifold	Assembly	ME90XX-XF-XXX Rev. J
	Body	ME904S-3F-01-01 Rev. L ME904S-01-01 Rev. E (Casting)
	Liquid Vent Valve	MEJ402S Rev. J ➤ Registered under CRN 0C19405.5C
	Gland and Packing	ME904S-08 Rev. A (Lower Stem Bearing) ME904S-03 Rev. A (Gland Seat Gasket) ME904S-04 Rev. A (Gland) ME904S-028 Rev. A (Valve Seat Gasket) ME904SN-01 Rev. C (Clapper Seat) ME904S-05 Rev. A (Rotary Cam) ME904S-06 Rev. B (Stem Cap Screw) ME904S-09 Rev. A (Gland Spring) ME904S-010 Rev. A (Male Adapter, V-Packing) ME904S-011 Rev. A (V-Packing) ME904S-012 Rev. A (Gland Bearing) ME904S-013 Rev. A (Upper Stem Bearing) ME904S-014-01 Rev. C (Stem Gear)
	Rotary Valve Assembly	ME904S-07 Rev. A (Assembly) ME904S-07-07 Rev C (Stem) ME904S-07-01 Rev. B (Arm) ME904S-07-02 Rev. B (Pilot Stem) ME904S-07-03 Rev. A (Curved Disk Spring) ME904S-07-05 Rev. A (Pilot Seal) ME904S-07-04 Rev. C (Clapper) ME904S-029 Rev. A (Leaf Spring) ME904S-06 Rev. B (Leaf Spring Cap Screw)
	Nameplates	ME904S-031 Rev. A (Nameplate) ME904S-030 Rev. A (Installation Nameplate)
	Gasket	ME904S-027 Rev. B (Installation Gasket)
	ME90XSN-4F – 4” Relief Valve Manifold	Body
	All other drawings are the same as ME90XSN-3F	
ME90XS-16X – 2” Relief Valve Manifold	Assembly	ME904S-16X-XXX Rev. D
	Bonnet	ME904S-16-102-01 Rev. K ME904S-16-102-02 Rev. E (Casting)
	Body	ME904S-16-101-01 Rev. H ME904S-16-101-02 Rev. D (Casting)

Main O-ring Seal	ME904SX-16-107 Rev. F
Screw	ME904S-16-109 Rev. A ➤ McMaster-Carr Specification Sheet for Part Number 91274A312
Liquid Vent Valve	MEJ402S Rev. J ➤ Registered under CRN 0C19405.5C
Gland and Packing	ME904S-08 Rev. A (Lower Stem Bearing) ME904S-03 Rev. A (Gland Seat Gasket) ME904S-04 Rev. A (Gland) ME904S-09 Rev. A (Gland Spring) ME904S-010 Rev. A (Male Adapter, V-Packing) ME904S-011 Rev. A (V-Packing) ME904S-012 Rev. A (Gland Bearing) ME904S-013 Rev. A (Upper Stem Bearing) ME904S-014-01 Rev. C (Stem Gear)
Clapper Assembly	ME904SX-16-903 Rev. B (Assembly) ME904S-07-07 Rev C (Stem) ME904S-16-103 Rev. C (Arm) ME980-10-153 Rev. A (Inside Clapper Washer) ME904S-07-02 Rev. B (Pilot Stem) ME904S-07-03 Rev. A (Curved Disk Spring) ME904S-07-05 Rev. A (Pilot Seal) ME904SX-16-111 Rev. B (Clapper-Bonded) ME904S-16-111-01 Rev. B (Clapper) ME904S-029 Rev. A (Leaf Spring) ME904S-06 Rev. B (Leaf Spring Cap Screw)
Nameplates	ME904S-16-112 Rev. B (Nameplate) ME904S-16-115 Rev. A (Installation Nameplate) ME904S-16-116 Rev. A (Removal Nameplate)

THIS IS PART OF CRN
0H21477.25
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety
 Program

Montréal, le 31 mai 2021.

MRS. NATHALIE DUGO
ABSA
9410 - 20 AVENUE N.W.
EDMONTON ALBERTA
CANADA T6N 0A4

Manufacturer : MARSHALL EXCELSIOR COMPANY
1506 GEORGE BROWN DRIVE
MARSHALL MI
U.S.A. 49068

OUR REFERENCE : 949474
Design number : SCOPE OF FITTING DESIGN REGISTRATION

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0H21477.26.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage
Montréal (Québec) H2M 2V2
Téléphone : 514 873-6459
Sans frais : 1 866 262-2084
www.rbq.gouv.qc.ca

Montréal, 31 mai 2021.

MADAME NATHALIE DUGO
ABSA
9410 - 20 AVENUE N.W.
EDMONTON ALBERTA
CANADA T6N 0A4

Fabricant : MARSHALL EXCELSIOR COMPANY
1506 GEORGE BROWN DRIVE
MARSHALL MI
U.S.A. 49068

Numéro de dossier : 949474

Numéro(s) de dessin(s) : SCOPE OF FITTING DESIGN REGISTRATION

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0H21477.26**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de l' *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

www.rbq.gouv.qc.ca

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	Relief Valve Manifolds, ME902, ME903, ME904	UL CofC, UL Test Reports, Supporting Design Calculations
2		
3		
4		
5		

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, James C. Zuck Director of Marketing and Regulatory Compliance,
(Name of the person in charge) (Title of the person in charge)

from Marsall Excelsior Company, located at 1506 George Brown Drive, Marshall, Michigan 49068 USA
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or
 are not covered by the ANSI/ASME codes, but are in compliance with ANSI / UL 132
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001, and has been verified by The Registrar Company (TRC).
(Name of code) (Authorized agency)

Signature of the person in charge:  Date (yyyy-mm-dd): 2021 / 05 / 17

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Marshall, Michigan, on 2021-05-17.
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths: Pamela Willison Date (yyyy-mm-dd): 2021-05-17

Stamp the seal:


PAMELA WILLISON
Notary Public, State of Michigan
County of Branch
My Commission Expires 07-03-2024
Acting in the County of Calhoun

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):	Registration date (yyyy-mm-dd): 0H21477.26 26 mai 2021
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Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

Table 1 – Scope of Fitting Design Registration

Type of fittings & Model Numbers & Standard of Construction	Relief Valve Manifolds - Models ME90XS-16X/250, ME90XS-16X/250HN, , ME90XS-16X/250VM, ME90XS-16X/265, ME90XS-16X/265HN, , ME90XS-16X/265VM, ME90XSN-3F/250VM, ME90XSN-3F/265VM, ME90XSN-4F/250VM, ME90XSN-4F/265VM – ANSI/UL 132, Latest Edition
Pressure Setting & Sizes	Model numbers denoted with “/250”, i.e. “ME90XX/250XX”, have a set pressure of 250 psig and model numbers denoted with “/265”, i.e. ME90XX/265XX, have a set pressure of 265 psig. Models denoted with “-16”, “-3F” and “-4F” are NPS 2”, 3”, and 4”, respectively
Material Specifications	ME90XS-16X: <ul style="list-style-type: none"> • ASTM A536 Gr. 65-45-12 (Body) • ASTM A536 Gr. 65-45-12 (Bonnet) ME90XSN-3F and ME90XSN-4F: <ul style="list-style-type: none"> • ASTM A395 Gr. 60-40-18 Models denoted with “-16” are threaded (Male NPT) and models denoted with “-3F” and “-4F” are flanged (ANSI 300#)
Valve Ends	

OH21477.26
26 MAI 2021




UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON



PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

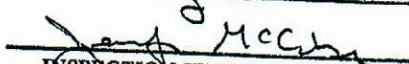
MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs <input checked="" type="radio"/> H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meeting CNSC or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p>ANSI / UL 132, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> <div style="text-align: center;">  </div>	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER:</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p>UL Certificate of Compliance, UL Test Reports for File MH46024, Supporting Design Calculations</p>	

DECLARATION:

I, James C. Zuck (see note 3) employed by Marshall Excelsior Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by The Registrar Company (TRC) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 U.S. Notary Public, State of Michigan F.D.N.
 County of Branch A.L.S.P.A.I.
 My Commission Expires 07-03-2024
 Acting in the County of Calhoun

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
<p>CRN: <u>0H21477.2</u></p> <p>FID#: <u>2089</u></p> <p>Relief valve manifolds. ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3) Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX)</p> <ol style="list-style-type: none"> 1. All fittings shall be registered in the name of the Manufacturer. 265XX) 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. <p>CRN expires <u>May 13th, 2031 - DG</u></p>	<p>ACCEPTED</p> <p>PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT</p> <p>C.R.N. <u>0H21477.29</u></p> <p>DATE: <u>May 28 2021</u></p> <p> INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH</p> <p align="right">Sect. 1.0 - Fittings Rev. 1 05/2003</p>


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON



PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs <input checked="" type="checkbox"/> H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ANSI / UL 132, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: UL Certificate of Compliance, UL Test Reports for File MH48024, Supporting Design Calculations	

DECLARATION:

I, James C. Zuck (see note 3) employed by Marshall Excelsior Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by The Registrar Company (TRC) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 Notary Public, State of Michigan, F.O.B.
 County of Branch A. I. I.
 My Commission Expires 07-03-2024
 Acting in the County of Calhoun

This space for Regulatory Authority use

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

CRN: 0H21477.2

FID#: 2089

Relief valve manifolds, ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3)
 Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX)

- All fittings shall be registered in the name of the Manufacturer. 265XX)
- Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

CRN expires May 13th, 2031 - DG

BOILER & PRESSURE VESSEL

NOVA SCOTIA

Date May 28/21

C.R.N. 0H21477.28

Dwg. as described

Signed Yvonne Perry

1 of 1

Part

ACT & REGULATIONS

sect. 1.0 - Fittings Rev 1 08/2003


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON


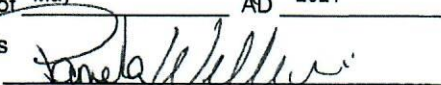
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

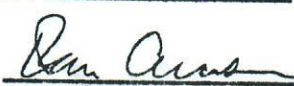
MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs (H) Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ANSI / UL 132, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
UL Certificate of Compliance, UL Test Reports for File MH46024, Supporting Design Calculations	

DECLARATION:

I James C. Zuck (see note 3) employed by Marshall Excelsior Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by The Registrar Company (TRC) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 Notary Public, State of Michigan, F.D. #
 County of Branch Alcona
 My Commission Expires November 22, 2022
 Acting in the County of **Branswick**

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. CRN: <u>0H21477.2</u> FID#: <u>2089</u> Relief valve manifolds, ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3) Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX) 1. All fittings shall be registered in the name of the Manufacturer. 265XX) 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. CRN expires May 13th, 2031 - DG	DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT REGISTRATION ONLY CRN <u>0H21477.27</u>  CHIEF BOILER INSPECTOR DATE <u>5/28/21</u> <input type="checkbox"/> BLRs <input type="checkbox"/> PVs Sect. 1.0 - Fittings Rev. 1 06/2003 <input checked="" type="checkbox"/> FITTINGS <input type="checkbox"/> NUCLEAR COMPONENTS
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON


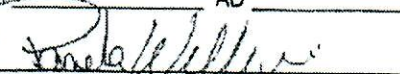
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

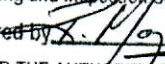
MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs (H) Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ANSI / UL 132, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
UL Certificate of Compliance, UL Test Reports for File MH46024, Supporting Design Calculations	

DECLARATION:

I, James C. Zuck (see note 3) employed by Marshall Excelsior Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by The Registrar Company (TRC) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 Notary Public, State of Michigan
 County of Branch
 My Commission Expires 07-03-2024
 Acting in the County of Calhoun

This space for Regulatory Authority use	
This registration must be revalidated after ten (10) years from the date of acceptance	
CRN: <u>0H21477.2</u>	Newfoundland Labrador Service NL
FID#: <u>2089</u>	Registered <u>0H21477.20</u>
Relief valve manifolds, ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3)	Date <u>2/06/03</u>
Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX)	Engineering and Inspection Services
1. All fittings shall be registered in the name of the Manufacturer. 265XX	Registered by 
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.	UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.	REVISED 06/2003
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	
CRN expires <u>May 13th, 2031 - DG</u>	


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs (H) Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ANSI / UL 132, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
	FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: UL Certificate of Compliance, UL Test Reports for File MH46024, Supporting Design Calculations	

DECLARATION:

I James C. Zuck (see note 3) employed by Marshall Excelsior Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by The Registrar Company (TRC) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

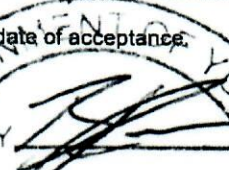
Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 Notary Public, State of Michigan
 County of Branch A L S F A I
 My Commission Expires 07-03-2024
 Acting in the County of Calhoun

This space for Regulatory Authority use
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0H21477.2
 FID#: 2089
 Relief valve manifolds, ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3)
 Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX)
 1. All fittings shall be registered in the name of the Manufacturer. 265XX)
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
 CRN expires May 13th, 2031 - DG

GOVERNMENT OF YUKON

BY 

CRN 0H21477.2Y


DATE 05/28/2021

BOILERS & FITTINGS

Sect. 1.04 - Fittings Rev. 1 06/2003


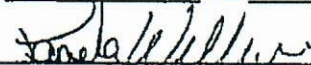
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
 NOVA SCOTIA
 PRINCE EDWARD ISLAND
 NEWFOUNDLAND AND LABRADOR
 NUNAVUT
 YUKON
 NORTHWEST TERRITORIES


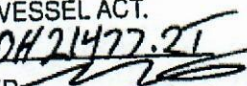
MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1508 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1508 George Brown Drive, Marshall, Michigan 49068 USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs <input checked="" type="checkbox"/> H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ANSI / UL 132, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
UL Certificate of Compliance, UL Test Reports for File MH46024, Supporting Design Calculations	

DECLARATION:

I, James G. Zuck (see note 3) employed by Marshall Excelsior Company and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by The Registrar Company (TRC) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 Notary Public, State of Michigan, F.O.C.
 County of Branch, ALBERTA
 My Commission Expires 07-03-2024
 Acting in the County of Calhoun

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. CRN: <u>0H21477.2</u> FID#: <u>2089</u> Relief valve manifolds: ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3) Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX) 1. All fittings shall be registered in the name of the Manufacturer. 265XX/ 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. CRN expires May 13th, 2031 - DG	 REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>0H21477.21</u> SIGNED:  DATE: <u>May 31 2021</u>
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16300


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

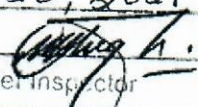
MANUFACTURERS NAME: Marshall Excelsior Company	
MANUFACTURERS ADDRESS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
PLANT LOCATIONS: 1506 George Brown Drive, Marshall, Michigan 49068 USA	
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SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
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DECLARATION:

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Signature of Declarer: 
 Declared before me at Marshall, Michigan
 This 17 day of May AD 2021
 Commissioner of Oaths or Notary Public: (sign) 

PAMELA WILLISON
 Notary Public, State of Michigan, F.D.C.
 County of Branch, I.S.A.I.
 My Commission Expires 07-23-2024
 Acting in the County of NUUNAVUT

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0H21477.2</u> FID#: <u>2089</u> Relief valve manifolds, ME90XS-16X (D.C. ASME B31.3); ME90XSN-3F & ME90XSN-4F (ASME Sec.VIII, Div.1 & B31.3) Notes: 250psig (i.e. ME90XX/250XX), 265psig (i.e. ME90XX/265XX) 1. All fittings shall be registered in the name of the Manufacturer. 265XX) 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. CRN expires <u>May 13th, 2031 - DG</u>	Boilers and Pressure Vessels Act REGISTERED CRN <u>0H21477.2 N</u> Date <u>May 28, 2021</u> Signed  Chief Inspector Territorial Registration Fee Sect. 1.0 - Fittings Rev. 1/06/2003