

June 12, 2023

Attention: Nicole Kilgore
PRESSURE VESSEL ENGINEERING INC
PO BOX 112
1440 KING STREET NORTH UNIT# 1
ST JACOBS, ON N0B 2N0

The design submission, Tracking Number 2023-02641, Web Portal Number 2023-S1501, originally received on April 24, 2023 was surveyed and accepted for registration as follows:

CRN : 0F23265.2 **Accepted on:** June 12, 2023
Reg Type: NEW DESIGN **Expiry Date:** June 12, 2033
Drawing No. : Scope 14467s-1 Rev 2 As Noted
Fitting type: Flow Meter
Design registered in the name of : MICRO MOTION INC

Description	MAWP	Design Temperature
See Scope document		

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

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is 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 or AB-351 Declaration of Conformity 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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 3362 or fax (780) 437-7787 or e-mail Blair@absa.ca.

Sincerely,



BLAIR, JODY, P. Eng.
DOP Cert. No. D00010552



the pressure equipment safety authority

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

June 12, 2023

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

I, James Warren, Director Global Approvals Engineering
(name of applicant) (position title) (must be in a position of authority)
of Micro Motion Inc.
(name of manufacturer)
located at 7070 Winchester Circle, Boulder, CO, 80301-3506, USA
(plant address)

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

MICRO MOTION

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

- comply with the requirements of _____ 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 ASME B31.3 2022 Edition 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.	HPC015M, HPC015N, HPC015P, HPC015M, HPC020M, HPC020N	ISO 9001: 2015	The design, manufacturing, testing and service of Flow and Measurement products and systems.	28 Dec. 2025	DNV	7070 Winchester Circle, Boulder, CO, 80301-3506, USA
2.						

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

Scope Of Registration: 14467a-1


 (Signature of the Declarer)

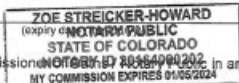
4/12/2023
 (Date)

DECLARED before me at Boulder in the county of Boulder CO
(city) (province, territory, or state)

this 12 day of April, 2023
(Month) (Year)

(print) Zoe Streicker-Howard
(a Commissioner of Oaths or Notary Public)

(sign) Zoe Streicker-Howard
(a Commissioner of Oaths or Notary Public)



Commissioned NOTARY PUBLIC in and for: Boulder CO
(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 _____.

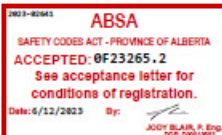
CRN: _____

Registered Date: _____

Expiry Date: June 12 2033

Signature: _____
(Signature of the Administration/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



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 Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
HBC015M, N, P	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	ASME B31.3, 2022	See 14467s-1
HBC020M, N	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	See 14467s-1	ASME B31.3, 2022	See 14467s-1

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

Scope of Registration



Design Information:

- Design Code: ASME B31.3, 2022 Edition
- Design Temperature: 74 °F
- MDMT: -50.8 °F
- Corrosion Allowance: 0
- Impact Test: Yes
 - bar \leq 2": 25 ft-lbf minimum required average impact energy for n=3 samples with a 20 ft-lbf min energy for any of the samples.
 - bar $>$ 2": 30 ft-lbf minimum required average impact energy for n=3 samples with a 24 ft-lbf min energy for any of the samples
- PWHT: N.A
- Radiography: 100%

Test Unit Model	MAWP (psi)	Hydrotest pressure (psi)	Pressure Fluctuation (psi)	Number of pressure Cycles	Operating Pressure (Psi)	Tube Material	Manifold Material
HPC015M	18,515	23,144	70 to 12,961	70,000	6,991	XM-19 UNS S20910 ASTM A213	316/316L ASTM A479
HPC015N	18,515	23,144	70 to 12,961	70,000	13,960	XM-19 UNS S20910 ASTM A213	316/316L ASTM A479
HPC015P	18,515	23,144	70 to 12,961	70,000	15,375	XM-19 UNS S20910 ASTM A213	316/316L ASTM A479
HPC015H	17,451	21,813	0 to 17,451	69,300	15,622	C22 UNS N06022 ASTM B622	C22 UNS N06022 ASTM B575
HPC020M	12,168	15,210	70 to 6,352	5,000,000	12,168	XM-19 UNS S20910 ASTM A213	316/316L ASTM A479
HPC020N	16,401	20,502	70 to 12,961	83,000	16,401	XM-19 UNS S20910 ASTM A213	XM-19 S20910 ASTM A479

Drawings:

- ER-20064869
- ER-20076116