

December 03, 2021

Attention: Frank Eder
VISION INTEGRITY ENGINEERING LTD
1229 13 AVENUE SW
CALGARY, AB T3C 0T2

The design submission, tracking number 2021-03448, originally received on June 24, 2021 was surveyed and accepted for registration as follows:

CRN : 0F21935.2 **Accepted on:** December 03, 2021
Reg Type: NEW DESIGN **Expiry Date:** December 03, 2031
Drawing No. : INSIGHT CRN-001,30.1281,30.1282 & 30.1283 Rev B/A/A/C As Noted
Fitting type: Carryover Sensor Housing
Design registered in the name of : INSIGHT ANALYTICAL SOLUTIONS

Description	MAWP	Design Temperature
per dwg.INSIGHT CRN-001		

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

It is our understanding that this submission is part of the implementation procedures of your quality control program audit currently conducted by Alberta Boiler Safety Association. Therefore, the registration is contingent to the successful audit of the program by ABSA.

The fitting is registered to the design conditions specified on dwg. INSIGHT CRN-001 Rev.B.

The fitting's lower section is of the material specification per the technical data provided in Appendix A of Doc. No. INA-01-D-FE-03 Rev1.

The registration is given based on the understanding that the fitting shall be hydrosatically tested per the ASME B31.3 rules prior it's placed in service.

As indicated on AB-41 Statutory Declaration 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 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 3310 or fax (780) 437-7787 or e-mail Onshchenko@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

December 03, 2021

A handwritten signature in black ink, appearing to read 'Tetyana Onshchenko', with a horizontal line extending to the right.

ONSHCHENKO, TETYANA, P. Eng.
DOP Cert. No. D00010125

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

I, Kevin Harris, Research Engineer
(name of applicant) (position title) (must be in a position of authority)
of Insight Analytical Solutions
(name of manufacturer)
located at 3202 12 Ave NE, Calgary, AB T2A 6N8
(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 _____ 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 ASME B31.3, manufactured to comply with ASME Section VIII Div. 2 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.	Carryover Sensor Housing, Category H Fitting	PENDING	PENDING	-	-	Insight Analytical Solutions, 3202 12 Ave NE, Calgary, AB T2A 6N8
2.						

2021-03448

Tracking #: _____

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

INA-01-D-FE-03 Carryover Sensor Housing CRN Submission Report Rev1

[Handwritten Signature]

(Signature of the Declarer)

June 24th, 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: The registration is contingent to the successful audit of the program by ABSA.

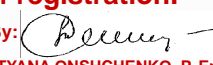
<p>To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category _____.</p> <p>CRN: _____</p> <p>Registered Date: _____</p> <p>Expiry Date: _____</p> <p>Signature: _____ (Signature of the Administrator/SCO)</p> <p>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</p>	<div style="border: 2px solid red; padding: 5px;"> <p>2021-03448</p> <p style="text-align: center;">ABSA</p> <p style="text-align: center;">SAFETY CODES ACT - PROVINCE OF ALBERTA</p> <p style="text-align: center;">ACCEPTED: OF 21935. 2</p> <p style="text-align: center;">See acceptance letter for conditions of registration.</p> <p>Date: 2021-12-03 By: </p> <p style="text-align: right;">TETYANA ONSHCENKO, P. Eng DOP: D00010125</p> </div> <p><small>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</small></p>
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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			
1	Carryover Sensor Housing	6061-T6, PEEK GF30 (ASTM B8033)	1/8, Inlet and Outlet Taper Threads	-20°C	500 psi	100 psi	-	ASME B31.3, ASME Section VIII Div. 2, ASTM D8033	INSIGHT CRN-001 Rev B. 30.1281, 30.1282, 30.1283, Victrex Material Properties Guide (pg. 4, 21)

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

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