

November 09, 2015

**Attention:** Catherine Diplock  
PRESSURE VESSEL ENGINEERING INC  
120 RANDALL DRIVE SUITE B  
WATERLOO, ON N2V 1C6

The design submission, tracking number 2015-07602, originally received on October 23, 2015 was surveyed and accepted for registration as follows:

**CRN :** 0F07450.2

**Accepted on:** November 09, 2015

**Reg Type:** Addition to Acc. Fitting

**Expiry Date:** November 09, 2025

**Drawing No. :** 20140970, 20140971 Rev 0

**Fitting type:** PROBE ASSEMBLY  
MAWP = 10342 KPA @ -29/250 DEG.C

Design registered in the name of : ARJAY ENGINEERING LTD

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

*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 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.

Enclosed are stamped prints for your reference.

Sincerely,

*Zana Radisavljevic*

RADISAVLJEVIC, ZANA, R.E.T.



**STATUTORY DECLARATION  
Registration of Fittings**

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



I, GREG MEUVES  
PRESIDENT

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Arjay Engineering Ltd.

(name of manufacturer)

located at 2851 Brighton Road, Oakville, Ontario L6H 6C9

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check 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 Section VIII Div.1 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ANAB as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Probe mounted level switch

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

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly

DECLARED before me at OKVILLE in the PROVINCE of ONTARIO  
this 15th day of OCTOBER, 2015  
(Month) (Year)  
(print) James F. De losimo (Signature of Applicant)  
(sign) [Signature]  
(A Commissioner for Oaths)

**For Office Use Only**

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: 0 F 0 7 4 5 0 . 2

James R. RADISAVLEVIC  
(For the Administrator/Chief Inspector of Alberta)

Date Registered: NOV 09 2015

Expiry Date: Nov. 9, 2025

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 Boiler Discipline.



PRESSURE VESSEL ENGINEERING  
120 RANDALL DRIVE  
WATERLOO ON N2V 1C6

**Date:** December 7, 2015  
**Account #:** 45363  
**Journal #:** 64168  
**Our File #:** 5565800

**Attn:** CATHERINE DIPLOCK

**Re:** Application for Design Registration

The design, as detailed in your, PVE-9585, for a Fitting is accepted for registration as follows:

**Registered To:** ARJAY ENGINEERING LIMITED **CRN:** 0F07450.21

**MDMT:** -20 deg F

**MAWT:** 482 deg F

**MAWP:** 1500 psig

**Drawing #:** 20140970, 20140971

**Drawing Revision:** 0

**Conditions Of Registration:**

Registration of standard and heavy duty probe assemblies.

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:**

As required by CSA B51 4.2.1, this registration expires on November 09, 2025. 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.

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

SHARON PETERS

boiler.designregistration@safetyauthority.ca  
Design Administration

**cc:**





Inspection and Technical Services Manitoba  
500 - 401 York Avenue  
Winnipeg Manitoba R3C 0P8  
T (204) 945-3373  
F (204) 948-2309  
[www.firecomm.gov.mb.ca/codes\\_steam\\_pressure.html](http://www.firecomm.gov.mb.ca/codes_steam_pressure.html)

January 18, 2016

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

Attn: Catherine Diplock

### REGISTRATION OF VALVES AND FITTINGS

**Manufacturer:** ARJAY ENGINEERING LIMITED

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  |
|--|------------|-------|
| Probe Assembly<br>Dwg: 20140970 & 20140971 REV.0 | 0F07450.24 | 36063 |

**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: **ABSA**. This registration expires **November 9, 2025**.

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.

Yours truly,

A handwritten signature in blue ink, appearing to read "R. Orlesky".

**Ryan Orlesky, C.E.T.**

Design Surveyor  
Office of the Fire Commissioner  
Inspection and Technical Services Manitoba  
500 - 401 York Avenue  
Winnipeg, Manitoba, R3C 0P8  
Phone: 204-945-3373  
Email: [ryan.orlesky@gov.mb.ca](mailto:ryan.orlesky@gov.mb.ca)

# MANITOBA

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



## STATUTORY DECLARATION REGISTRATION OF FITTINGS

### (a) Design Qualification

1. GREG REEVES

(See Note 2)

PRESIDENT

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

of Arjay Engineering Ltd.

(Name of company)

located at 2851 Brighton Road, Oakville, Ontario L6H 6C9

(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

- ☒ are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with  
ASME Section VIII Div.1 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 \_\_\_\_\_, and has been verified by the following authority or authorized agency ANAB  
9001:2008

The fittings covered by this declaration, for which I seek registration, are Probe mounted level switch

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

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly

Declared before me at OKVILLE in the province/state of ONTARIO the 15<sup>th</sup>  
day of OCTOBER AD 2015.

A (commissioner for oaths)

Signature of Declarer

### (For Official Use Only)

The application is accepted for registration in Category "F" 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.

NOVEMBER 9, 2025

Registered Number CRN 0F07450.24

For the Chief Inspector

Date: JAN 18, 2016

### 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.




## 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: Arjay Engineering Ltd.  |   |
| MANUFACTURERS ADDRESS: 2851 Brighton Road, Oakville, Ontario L6H 6C9  |   |
| PLANT LOCATIONS:  |   |
| <b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b><br>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers<br>B Flanges: all flanges<br>C Valves: all line valves<br>D Expansion joints, flexible connections, and hose assemblies: all types<br>E Strainers, filters, separators, and steam traps<br>X F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters<br>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs<br>H Pressure retaining components that do not fall into one of the above categories<br>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements) | <b>TITLE OF THE STANDARD OF CONSTRUCTION</b><br><br>ASME Section VIII Div.1   |
| <b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b><br><br><div style="text-align: center;">  </div>   | <b>TYPE OF CONSTRUCTION</b><br>FORGED <input checked="" type="checkbox"/> WELDED <input checked="" type="checkbox"/> WROUGHT <input type="checkbox"/><br>CAST <input checked="" type="checkbox"/> OTHER <input type="checkbox"/><br>DESCRIBE OTHER: |
| <b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b><br><br>DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly<br><br>Probe mounted level switch   |   |

**DECLARATION:**

I, GREG REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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.

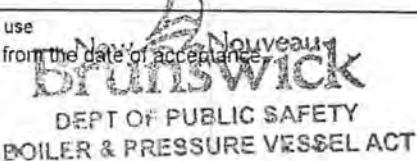
Signature of Declarer:

Declared before me at OAKVILLE, ONTARIO

This 15 day of SEPTEMBER AD 2015

Commissioner of Oaths  
or Notary Public (sign)

USE THIS SPACE FOR  
OFFICIAL SEAL

|  |   |
|--|---|
| This space for Regulatory Authority use<br>This registration must be revalidated after ten (10) years from the date of acceptance.<br><br>CRN: <u>0F07450.2 ADD</u><br><br>FID#: <u>15249</u>  | <div style="text-align: center;">  </div> <p style="text-align: center;">REGISTRATION ONLY</p> <p>CRN <u>0F07450.27Add</u></p> <p>EXAMINER <u>[Signature]</u> for<br/>CHIEF BOILER INSPECTOR</p> <p>DATE: <u>12/04/2015</u></p> |
| <b>Notes:</b><br>1. All fittings shall be registered in the name of the Manufacturer.<br>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.<br>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.<br>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. |   |

☐ BLRs ☐ PVs

☐ FITTINGS ☐ COMPONENTS



## 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: Arjay Engineering Ltd.

MANUFACTURERS ADDRESS: 2851 Brighton Road, Oakville, Ontario L6H 6C9

PLANT LOCATIONS:

**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 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)

**TITLE OF THE STANDARD OF CONSTRUCTION**

ASME Section VIII Div.1

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT



**TYPE OF CONSTRUCTION**

FORGED ☒ WELDED ☒ WROUGHT ☐  
 CAST ☒ OTHER ☐  
 DESCRIBE OTHER:

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly  
 Probe mounted level switch

**DECLARATION:**

I, GREG REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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 St. John's, NL

This 15th day of October AD 2015

Commissioned Notary Public or Notary Public

USE THIS SPACE FOR  
OFFICIAL SEAL

This space for Regulatory Authority use

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

CRN: 0F0745072 ADD

FID#: 15249

**Notes:**

1. All fittings shall be registered in the name of the Manufacturer.
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.

Newfoundland  
Labrador  
Service NL

Registered 0F07450720 ADD

Date 15/12/15

Engineering and Inspection Services

Registered by [Signature]

UNDER THE AUTHORITY OF THE  
 Seal of the Public Officer  
 THE BOILER, PRESSURE VESSEL AND  
 COMPRESSED GAS REGULATIONS

# Nova Scotia

## UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUTNOVA SCOTIA  
YUKONPRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Arjay Engineering Ltd.

MANUFACTURERS ADDRESS: 2851 Brighton Road, Oakville, Ontario L6H 6C9

PLANT LOCATIONS:

### 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 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)

### TITLE OF THE STANDARD OF CONSTRUCTION

ASME Section VIII Div.1

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT



### TYPE OF CONSTRUCTION

 FORGED ☐ WELDED ☐ WROUGHT ☐  
 CAST ☐ OTHER ☐  
 DESCRIBE OTHER:

### LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

 DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly  
 Probe mounted level switch

### DECLARATION:

I, GREG REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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

OAKVILLE, ONTARIO

This

15 day(s) ofSEPTEMBERAD 2015

Commissioned by

on behalf of

 USE THIS SPACE FOR  
 OFFICIAL SEAL

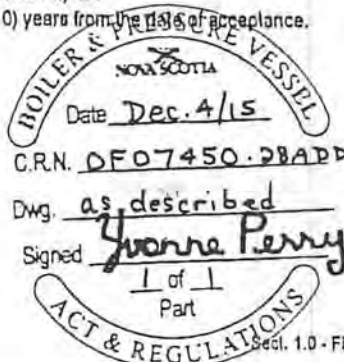
This space for Regulatory Authority use

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

CRN: DF07450-28ADDFID#: 15249

### Notes:

1. All fittings shall be registered in the name of the Manufacturer.
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.



Sec. 1.0 - Fittings Rev. 1 05/2003



## 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: Arjay Engineering Ltd.

MANUFACTURERS ADDRESS: 2851 Brighton Road, Oakville, Ontario L6H 6C9

PLANT LOCATIONS:

**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 ☐ Class 2 ☐ Class 3 ☐. (Meeting CNSC or ASME requirements)

**TITLE OF THE STANDARD OF CONSTRUCTION**

ASME Section VIII Div.1

**SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT**



**TYPE OF CONSTRUCTION**

FORGED ☒ WELDED ☒ WROUGHT ☐  
 CAST ☒ OTHER ☐  
 DESCRIBE OTHER:

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly  
 Probe mounted level switch

**DECLARATION:**

I, GREG REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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 OAKVILLE, ONTARIO

This 4/5 day of DECEMBER AD 2015

Commissioner of Oaths  
 or Notary Public (sign)

USE THIS SPACE FOR  
 OFFICIAL SEAL

This space for Regulatory Authority use

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

CRN: 0F07450-2 ADD

FID#: 15249

**Notes:**

1. All fittings shall be registered in the name of the Manufacturer.
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.



**NUNAVUT**

Boilers and  
 Pressure Vessels Act

**REGISTERED**

CRN 0F07450-2 N Add

Date DEC 4, 2015 Section 19 - Fittings Rev. 1 06/2003

Signed

[Signature]  
 Chief Inspector

**Territorial Registration Fee**



# Northwest Territories


## 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: <u>Arjay Engineering Ltd.</u>  |   |
| MANUFACTURERS ADDRESS: <u>2851 Brighton Road, Oakville, Ontario L5H 6C9</u>  |   |
| PLANT LOCATIONS:   |   |
| <b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b><br>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers<br>B Flanges: all flanges<br>C Valves: all line valves<br>D Expansion joints, flexible connections, and hose assemblies: all types<br>E Strainers, filters, separators, and steam traps<br>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters<br>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fuel gas plugs<br>H Pressure retaining components that do not fall into one of the above categories<br>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> . (Meeting CNSC or ASME requirements) | <b>TITLE OF THE STANDARD OF CONSTRUCTION</b><br>ASME Section VIII Div.1 |
| <b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b><br><div style="text-align: center;">  </div>  |   |
| <b>TYPE OF CONSTRUCTION</b><br>FORGED <input type="checkbox"/> WELDED <input checked="" type="checkbox"/> WROUGHT <input type="checkbox"/><br>CAST <input type="checkbox"/> OTHER <input type="checkbox"/><br>DESCRIBE OTHER:  |   |
| <b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b><br>DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly<br>Probe mounted level switch  |   |

### DECLARATION:

I, GAIL REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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.

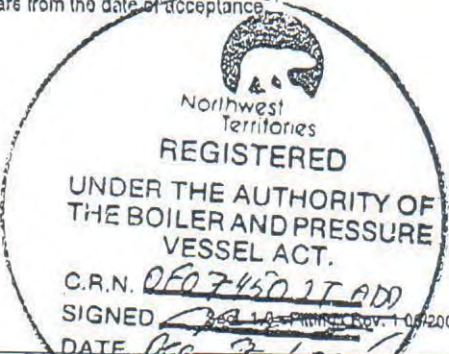
Signature of Declarer:

Declared before me at OAKVILLE, ONTARIO

This 15th day of SEPTEMBER AD 2005

Commissioner (Municipal)  
ONTARIO PUBLIC ADMINISTRATION

USE THIS SPACE FOR  
OFFICIAL SEAL

|  |  |
|--|--|
| This space for Regulatory Authority use<br>This registration must be revalidated after ten (10) years from the date of acceptance.<br>CRN: <u>0E074501T ADD</u><br>FID#: <u>15249</u>  |  |
| <b>Notes:</b><br>1. All fittings shall be registered in the name of the Manufacturer.<br>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.<br>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.<br>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. |  |





14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4  
Tel.: 416.734.3300  
Fax: 416.231.1625  
Toll Free: 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

January 19, 2016

CATHERINE DIPLOCK  
PRESSURE VESSEL ENGINEERING LTD.  
120 RANDALL DR SUITE B  
WATERLOO ON N2V 1C6  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 1763914  
**Your Reference No.:** PVE-9585  
**Registered to:** ARJAY ENGINEERING LTD

Dear CATHERINE DIPLOCK,

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

**CRN: 0F07450.25**  
**Main Design No.:** 20140970 REV 0, 20140971 REV 0  
**Expiry Date:** 09-Nov-2025

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

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto: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,

A handwritten signature in blue ink, appearing to read "Kaivan Kia", is written over a light blue circular stamp.

Kaivan Kia P. Eng., PMP  
Mechanical Engineer, BPV  
Tel.: 416-734-3457  
Fax: 416-231-6183  
Email: [kkia@tssa.org](mailto:kkia@tssa.org)



TECHNICAL STANDARDS &  
SAFETY AUTHORITY  
14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will  
the space below

**ARJAY**  
ENGINEERING

## STATUTORY DECLARATION

### Registration of Fittings

I, GREG REEVES, PRESIDENT  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Arjay Engineering Ltd.  
(Name of Manufacturer)

Located at 2851 Brighton Road, Oakville, Ontario L6H 6C9 905.829.2418 ext. 228  
(Plant Address) (Telephone No.) (Fax No.)

☐ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

\_\_\_\_\_  
(Title of recognized North American Standard)  
which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☒ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME Section VIII Div.1 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, ANAB

The items covered by this declaration, for which I seek registration, are category F type fittings. In support of this application, the following information and/or test data are attached as follows:

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly  
(drawings, calculations, test reports, etc.)

Declared before me at OAKVILLE in the PROVINCE of CANADA  
the 15<sup>th</sup> day of OCTOBER AD 20 15.

Commissioner for Oaths:

James F. De Cosimo  
(Printed name)

[Signature]  
(Signature)

[Signature]  
(Signature of Declarer)

### FOR OFFICE USE ONLY

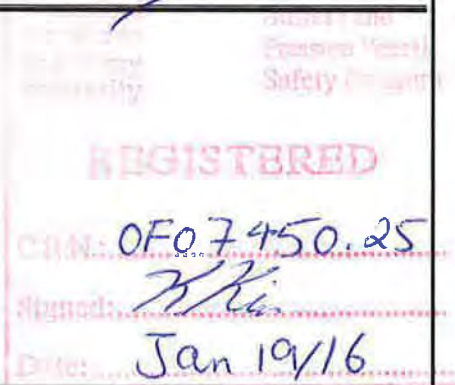
To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F.

CRN: 0F07450.25

Registered by: K. Kin

Dated: Jan 19/16

NOTE: This registration expires on NOV. 9/2025



See mark ups on drawings. kk  
4/19/16



## 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: Arjay Engineering Ltd.

MANUFACTURERS ADDRESS: 2851 Brighton Road, Oakville, Ontario L6M 6C9

PLANT LOCATIONS:

**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 ☐ Class 2 ☐ Class 3 ☐. (Meeting CNSC or ASME requirements)

**TITLE OF THE STANDARD OF CONSTRUCTION**

ASME Section VIII Div.1

**SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT**

**ARJAY**  
ENGINEERING

**TYPE OF CONSTRUCTION**

FORGED ☒ WELDED ☒ WROUGHT ☐  
 CAST ☒ OTHER ☐  
 DESCRIBE OTHER:

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly  
 Probe mounted level switch

**DECLARATION:**

I, GREG REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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: [Signature]

Declared before me at: DAKVILLE, ONTARIO

This 15th day of OCTOBER AD 2015

Commissioner of Oaths or Notary Public: (sign) [Signature]

USE THIS SPACE FOR  
OFFICIAL STAMP

This space for Regulatory Authority use

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

CRN: 0F07450.2 ADD

FID#: 15249

**ACCEPTED**  
**PROVINCE OF PRINCE EDWARD ISLAND**  
**ENVIRONMENT, LABOUR & JUSTICE**

C.R.N. 0F07450.29 Add

DATE: Dec 8/15

**INSPECTION SERVICES SECTION**  
**POWER/PRESSURE VESSEL BRANCH**

**Notes:**

- All fittings shall be registered in the name of the Manufacturer.
- 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.



February 23, 2016

Mrs. Catherine Diplock  
120 Randall Dr., Suite B  
Waterloo ON  
Canada N2V 1C6

**Type of device:** PROBE ASSEMBLIES

**Manufacturer:** ARJAY ENGINEERING LTD.  
2851 BRIGHTON ROAD  
OAKVILLE ONTARIO  
CANADA L6H 6C9

Dear Madam,

According to our law respecting pressure vessels, your design has been reviewed and registered as follows:

**CRN N°: 0F07450.26**

Our reference No.: 956924

Your reference No.: PVE-9585

Main Design No.: 20140970; 20140971

Note: If the CRN is a five digit number following the letter and start with a 0, the 0 is not considered to be an integral part of the CRN.

Yours truly,

*TS for*

Carmine Campana

Inspecteur autorisé (e)  
Direction de l'inspection de la fabrication  
d'appareils sous pression





**REGISTRATION OF FITTING DESIGN**

11-Jan-16

Pressure Vessel Engineering  
120 Randall Drive, Suite B  
Waterloo, Ontario  
N2V 1C6**ATTENTION :** Catherine Diplock**File Number:** 10001 [ 0 F]

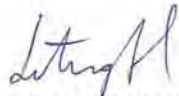
With reference to your submission respecting the registration of the item below, for legal use in the province, please note we have surveyed and registered this design in accordance with The Boiler and Pressure Vessel Act.

|   |                         |
|---|-------------------------|
| <b>MANUFACTURER :</b> Arjay Engineering Limited         |                         |
| <b>CATALOG OR DRAWING :</b> 20140970, 20140971 Rev. 0/0 |                         |
| <b>ITEM :</b> Probe Assembly                            | <b>CRN :</b> OF07450.23 |

We wish to point out that every fitting must be constructed strictly in 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. The date of expiry for this registration is **November 09, 2025**.

Sincerely,

Liting (Frank) Huang, Engineer-in-Training  
Codes and Standards Compliance

**REMARKS:** CRN registered under reciprocal agreement and conditional upon compliance with the notes on the original ABSA registration dated November 09, 2015.



**Statutory Declaration (Registration of Filings)**

**TSK-1008**

**I. Declaration Information**

I, GREG REEVES  
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)

In this space, show facsimile of  
it will  


of: Arjay Engineering Ltd.  
(name of manufacturer)

located at: 2851 Brighton Road, Oakville, Ontario L6H 6C9  
(Plant Address - Apt./Street) (City, Prov) (Postal Code)

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 \_\_\_\_\_ 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 Section VIII Div.1 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, ANAB 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  
Probe mounted level switch

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

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly

**II. Declaration**

DECLARED before me at OKVILLE In the PROVINCE of ONTARIO  
this 15<sup>th</sup> day of OCTOBER, 2015  
James F. DeCosimo (print name) (Signature)  
(Signature of Commissioner of Oaths)

**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 F

(Registration Number) Technical Safety Authority  
of Saskatchewan  
Boiler & P.V. Safety Unit

11 / Jan. / 2016  
(Date Registered - MM DD YYYY)  
(For the Administrator / Chief Inspector)

09 / Nov. / 2015  
(Expiry Date - MM DD YYYY)

CRN OF 07450.23  
File 10001  
**REGISTERED**  
Date 11 / Jan. / 2016  
Design Survey Office



**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

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NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

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 C Valves: all line valves  
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 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 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)

**TITLE OF THE STANDARD OF CONSTRUCTION**

ASME Section VIII Div.1

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT



**TYPE OF CONSTRUCTION**

FORGED ☐ WELDED ☒ WROUGHT ☐  
 CAST ☐ OTHER ☐  
 DESCRIBE OTHER:

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

DRAWINGS: 20140970, 20140971 CALCULATIONS: 9585c-Probe Assembly

Probe mounted level switch

**DECLARATION:**

I GREG REEVES (see note 3) employed by Arjay Engineering Ltd. 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 ANAB 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 OAKVILLE, ONTARIO

This 9/5/2015 AD 2015

Commissioner of the Yukon

USE THIS SPACE FOR  
OFFICIAL SEAL

This space for Regulatory Authority use

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

CRN: 0F07450.2 ADD

FIG#: 15249

**Notes:**

1. All fittings shall be registered in the name of the Manufacturer.
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.

