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March 21, 2017

EMMA SMITH
AAONE
PO BOX 91072 BURNHAMTHORPE PO
TORONTO ON M9C 5N5
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2039504
Your Reference No.: A2017-82
Registered to: ARMSTRONG INTERNATIONAL INC

Dear EMMA SMITH,

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

CRN No.: 0H11517.5R1

Main Design No.: CDF1000 REV C, D214 REV. H, D214A REV. L, D215 REV. D, D215A REV. H

Expiry Date: 21-Mar-2027

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

Note:

1) Minimum design temperature: -20 F

The stamped copy of the approved registration and the invoice are mailed separately. 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,

Wendy Du, P.Eng.
Technical Standards & Safety Authority
Boilers & Pressure Vessels Safety Program
Tel.: 416-734-3566
Fax: 416-231-6183
Email: wdu@tssa.org

Putting Public Safety First



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
appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, Jonathan Hubbard, Quality Assurance Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)
of Armstrong International, Inc.
(Name of Manufacturer)

Located at 816 Maple St., Three Rivers, MI 49093 USA 269-273-1415 269-279-7602
(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
ASME B31.1 & B31.3

(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 _____ 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, HSB Registration Services.

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

See page 2 for listing

(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers, MI in the County of St. Joseph
the 15th day of February AD 2017.

Commissioner for Oaths:
ROBERTA M. RYAN
Notary Public, St. Joseph Co., MI
My Commission Expires Sept. 13, 2018
(Printed name)

Roberta M. Ryan
(Signature)

Jonathan Hubbard
(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 H.

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

CRN: 0H11517.5R1

Registered by: Wendy Yu

Dated: Mar. 21, 2017

NOTE: This registration expires on Mar. 21, 2027

REGISTERED

C.R.N.: 0H11517.5R1

Signed: Wendy Yu

Date: Mar. 21, 2017





Armstrong®

Armstrong International, Inc.

816 Maple Street, Three Rivers, Michigan 49093 USA Phone: (269) 273-1415 Fax: (269) 278-6555

Page 2 (Continued from TSSA Statutory Declaration)

The scope of the registration and the design parameters of the pressure boundary, such as the pressure and temperature, of this CRN renewal submission are the same as the original approved CRN submission.

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

D214 body casting, D214A body machined, D215 cap casting, D215A cap machined, CDF1000 assembly, tensile test reports, burst test reports, burst calculation.

See CRN letter for conditions of registration.

*WJ
03/17/2017*

