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

September 17, 2013

EMMA SMITH  
AAONE  
39 COURTWRIGHT RD  
TORONTO ON M9C 4B6  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 1124730  
**Your Reference No.:** ADD TO CRN 0E08088.25  
**Registered to:** ARMSTRONG INTERNATIONAL

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.: 0E08088.25ADD1  
Main Design No.: SEE SCOPE OF REGISTRATION - D-401-1/G, D-409-1/G, E1001, F.WELDS PART 1 & 2, CD2429, CD2424, CD1067 R.A, STRAINERS SCREWED OR SOC.WELD  
Expiry Date: 05-Jan-2017

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

**Note:**

To add strainers,

1. Design Code: ASME B31.3-2012ED., WCB Model B Strainers, 4" Integral Flanges; Class 150 / Class 300
2. Design Code: ASME B31.3-2012ED., WCB Model B Strainers, 1/2" to 2" - SW Flanges; Class 150 / Class 300 / Class 600
3. Design Code: ASME B31.3-2012ED., WCB Model B Strainers, 4" Integral Flanges; Class 600 and 6" Integral Flanges; Class 150 / Class 300
4. (a) WCB Cast Carbon Steel Model B Strainers - Design Code: ASME B31.1-2012ED., 1/2" to 1" NPT / BSPT / SW / SW Flanges; Class 900  
(b) WCB Cast Carbon Steel Model B Strainers - Design Code: ASME B31.3-2012ED., 1 1/4" to 3" NPT / BSPT / SW / SW Flanges; Class 600

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](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,

Norman Ngai, P. Eng.  
Mechanical Engineer BPV  
Tel. : 416-734-3557  
Fax : 416-231-6183  
Email : [nngai@tssa.org](mailto:nngai@tssa.org)  
[www.tssa.org](http://www.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  
appear on the fitting, in the space below



## STATUTORY DECLARATION Registration of Fittings

I, ANDY SCHIRK, 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  
(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 B31.1-2012ED/ASME B31.3-2012ED 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 SERVICE.

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

SCOPE OF REGISTRATION

(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers in the County of St. Joseph  
the 10<sup>th</sup> day of September AD 2013.

Commissioner for Oaths:

ROBERTA M. RYAN

Notary Public, St. Joseph Co., MI

My Commission Expires Sept 13, 2018

Roberta M. Ryan  
(Signature)

Andy Schirk  
(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 E.

CRN: OE8088.25ADD1

Registered by: NORMAN NGAI

Dated: SEPT. 17, 2013.

NOTE: This registration expires on JAN. 5, 2017.

Technical  
Standards  
and Safety  
Authority

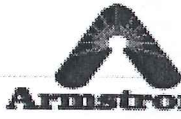
Boilers and  
Pressure Vessels  
Safety Program

REGISTERED

CRN: OE8088.25ADD1

Signed: Norman Ngai

Date: SEPT. 17, 2013.



Armstrong Steam and Condensate Group

816 Maple St., Farmington, Michigan 48333-1000, U.S.A. Phone: (248) 273-5416 Fax: (248) 273-6600

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Scope of Registration:

1. Design Code: ASME B31.3-2012ED  
WCB Model B Strainers;  
4" Integral Flanges; Class 150 / Class 300
2. Design Code: ASME B31.3-2012ED  
WCB Model B Strainers;  
½" to 2" - SW Flanges; Class 150 / Class 300 / Class 600
3. Design Code: ASME B31.3-2012ED  
WCB Model B Strainers;  
4" Integral Flanges; Class 600 and  
6" Integral Flanges; Class 150 / Class 300
4.
  - (a) WCB Cast Carbon Steel Model B Strainers - Design Code: ASME B31.1 - 2012 ED.  
½" to 1" NPT / BSPT / SW / SW Flanges; Class 900
  - (b) WCB Cast Carbon Steel Model B Strainers - Design Code: B31.3-2012ED  
1 ¼" to 3" NPT / BSPT / SW / SW Flanges; Class 600



N.N. SEPT. 17. 2013.

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