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Fax: 416.231.1626  
Toll Free: 1.877.682.8772

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

November 22, 2018

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

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2438546  
**Your Reference No.:** A2018-122  
**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.:** 0E12748.5R2  
**Main Design No.:** RENEWAL - STRAINERS MODEL D1SW/F22 – 1/2" TO 2"  
**Expiry Date:** 22-Nov-2028

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

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,

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](mailto:wdu@tssa.org)



Technical Standards and Safety Authority  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
www.tssa.org

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, Global Quality Director

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Armstrong International, Inc.

(Name of Manufacturer)

Located at 816 Maple Street, Three Rivers, MI, 49093

(Plant Address)

269-273-1415

(Telephone No.)

269-278-6555

(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 consistent with ASME B31.1&B31.3 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 9001:2015 which has been verified by the following authority, HSB Registration Services.

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:

See page 2

(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers in the State of Michigan  
the 30th day of October AD 20 18.

Commissioner for Oaths:  
ROBERTA MARIE RYAN  
Notary Public, St. Joseph County, MI  
My Commission Expires Sept. 13, 2024  
(Printed name)

Roberta Marie 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: OE12748.5R2

Registered by: Wendy Jr

Dated: Nov. 22, 2018

NOTE: This registration expires on: Nov. 22, 2028

Technical  
Standards  
and Safety  
Authority

Boilers and  
Pressure Vessels  
Safety Program

**REGISTERED**

C.R.N.: OE12748.5R2

Signed: Wendy Jr

Date: Nov. 22, 2018



Armstrong International, Inc.

816 Maple Street, Three Rivers, Michigan 49093 - U.S.A. Phone: (269) 273-1415 • Fax: (269) 278-6555

Scope of registration and design parameters such as the pressure and temperature are the same as the original CRN: 0E12748.5C and 0E12748.5ADD1, and the following supplemental data is attached:

1. Initial Statutory Declaration for 0E12748.5C and 0E12748.5ADD1
2. Analysis, Data Summary, and Calculations
3. Burst Test of Strainer Body and Retainer
4. Test Report #TR90307
5. Chemical and physical certification data sheets for bodies and retainers.
6. D Series Strainer Certified Data Drawings:
  - b. CD No. 2190: Strainer, D1SW, 1/2", 3/4", and 1" Forged Steel F22 CRN
  - b. CD No. 2296: Strainer, D1SW, 1 1/4", 1 1/2", and 2" Forged Steel F22 CRN
7. D Series Body & Retainer – Machining / Forging drawings:
  - a. 1/2": C736-1 / C736A & B1338 / B1338B
  - b. 3/4": C736-2 / C736A & B1338 / B1338B
  - c. 1": C736-3 / C736A & B1338 / B1338B
  - d. 1 1/4": C807-1 / C739B & B1339 / B1339B
  - e. 1 1/2": C807-2 / C739B & B1339 / B1339B
  - f. 2": C807-3 / C739B & B1339 / B1339B

Rob Feeman  
Applications Engineer  
Armstrong International

