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August 14, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2349338
Your Reference No.: A2018-521
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.: 0E1564.65
Main Design No.: STEAM TRAPS: 521.; CD-80S & CD-82S
Expiry Date: 20-May-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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,


Charley Dong, M.Sc. P.Eng.
Mechanical Engineer

Tel.: 416-734-3436
Fax: 416-231-6183
Email: cdong@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

ARMSTRONG



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 Street, Three Rivers, MI 49093 USA 269-279-1415
(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 & 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:

Model 521, Model CD80S, & Model CD82S series steam traps. See page two for document listing.

(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers in the County of St. Joseph, MI
 the 28th day of June AD 2018.

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 E

REGISTERED

C.R.N.: DE1564.65

Signed: Charley Dong

Date: Aug. 14. 2018



CRN: DE1564.65 NOTE: SEE ATTACHED PART OF CRN FOR THE SCOPE.

Registered by: Charley Dong

Dated: Aug. 14. 2018

NOTE: This registration expires on: MAY 20. 2028



Armstrong International, Inc.

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

Scope of CRN Registration

Product:	CD-80S and CD-82S Disc Traps	521 - Inverted Bucket Steam Traps
Design Code:	ASME B31.1 and B31.3	ASME B31.1 and B31.3
Material:	ASTM A182 F 11 cl 2/ A182 F 22 cl 3	ASTM A105N
Design Pressure:	1500psi	1000psi
Design Temperature:	650°F	700°F

THIS IS PART OF
CRN *DE1564-65*
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

Intelligent System Solutions STEAM AIR HOT WATER

www.armstronginternational.com