

## Statutory Declaration Registration of Fittings

### (a) Design Qualification

I<sup>1</sup> JONATHAN HUBBARD

(Name of applicant)

QUALITY ASSURANCE MANAGER

(Position eg, president, plant manager, chief eng.)

of ARMSTRONG INTERNATIONAL, INC

(name of company)

Located at 816 MAPLE STREET, THREE RIVERS, MI 49093 USA

(plant address)

REGISTERED



CRN: CSA-0E1564.6

Registration Process administered by  
CSA Group per CSA B51

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, material, identification & service for which are required:

Or

☒ are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with ASME B31.1 & B31.3 code and 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 9001:2015, and has been verified by the following authority or authorized agency HSB Registration Services

The fittings<sup>2</sup> covered by this declaration, for which I seek registration, are CATEGORY E

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

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

Declared before me at Three Rivers, MI

In the of County of St. Joseph

The 9th day of May AD 2018

ROBERTA M. RYAN

A (commissioner for oaths)

Notary Public, St. Joseph Co., MI  
My Commission Expires Sept. 13, 2018

Signature of Declarer<sup>3</sup>



### For Official Use Only

The application is accepted for registration in Category E 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.

MAY 20 2028

Registered Number CRN

CSA-0E1564.6

For the Chief Inspector

Date



R. BARNES

MAY 20 2018

<sup>1</sup> Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

<sup>2</sup> All fittings are required to be registered in the name of the Manufacturer.

<sup>3</sup> This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.



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

Intelligent System Solutions STEAM AIR HOT WATER

[www.armstronginternational.com](http://www.armstronginternational.com)



Armstrong International, Inc.

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

Page 2 (Continued from QUE Statutory Declaration)

Although the most applicable specification for the use of these steam traps would be ASME B31.1 Power Piping or ASME B31.3 Process Piping, a pressure boundary analysis has been performed consistent with the equations and requirements of ASME Boiler Pressure Vessel code; Section VIII; Division 1; 2013. While the size of these traps is smaller than what is covered by this specification, we feel it provides the most appropriate analytical guidelines.

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

Model 521 series catalog information; Model 521 Series Trap evaluation; Drawings ENC1490E, ENSAB481, ENSAB905, END64379, END92891, END85478, END65873, ENA6024, ENA6049, A6723C, END9198; Material Test Reports.

Model CD80S series catalog information; Model CD80S Series Trap evaluation; Model CD82S Series Trap evaluation; Drawings END61655, END61676, END61660, END61661, END80146, END80251, END63066, ENA8905, ENA8906, END87108, END91082, END87107, END87039, END80251, END80146, END87144; Material Test Reports.

Armstrong International Certificate of Registration to ISO 9001:2015



HSB Registration Services  
595 E. Swedesford Road  
Wayne, Pennsylvania 19087

# Certificate of Registration

*This is to certify that:*

**Armstrong International**  
**816 Maple Street**  
Three Rivers, MI 49093

*Has established and applied a Quality Management System for:*  
**Design and Manufacture of Steam Traps, Condensate  
Handling Equipment, Air Vents, Liquid Drainers,  
Strainers, Purgers, Valves, Steam Diagnostic  
Equipment, Humidifiers, and Related Equipment**

*Proof has been furnished that the requirements according to*  
**ISO 9001:2015**  
*are fulfilled.*

Certificate Number: Q 383

Initial Audit Date: October 3, 2001

Effective Date: January 12, 2005

Expiration Date: **January 11, 2021**

Revision Date: March 29, 2018

  
Signed on behalf of HSB Registration Services



Hartford Steam Boiler



Certificate Number: Q 383  
Page 1 of 1