

the pressure equipment safety authority

9410 - 20 Ave N.W.  
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Tel: (780) 437-9100 / Fax: (780) 437-7787

June 27, 2018

Attention: Emma Smith  
AAONE  
PO BOX 91072  
BURNHAMTHORPE PO  
TORONTO, ON M9C 5N5

Email:aaone@rogers.com

The design submission, tracking number 2018-03742, originally received on June 11, 2018 was surveyed and accepted for registration as follows:

CRN : 0E01564.62 Accepted on: June 27, 2018  
Reg Type: NEW DESIGN Expiry Date: May 20, 2028  
Drawing No. : SCOPE OF CRN REGISTRATION SHEETS ATTACHED TO AB-41  
Fitting type: STEAM TRAPS  
Design registered in the name of : ARMSTRONG INTERNATIONAL INC

The registration is conditional on your compliance with the following notes:

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.*

*This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*

*This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*

*Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3360 or fax (780) 437-7787 or e-mail issa@absa.ca.

Sincerely,

ISSA, SAMIR, P. Eng.  
DOP Cert. No. D00009269



STATUTORY DECLARATION  
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.  
  
ARMSTRONG

I, Jonathan Hubbard,

Quality Assurance Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Armstrong International, Inc

(name of manufacturer)

located at 816 Maple Street, Three Rivers, MI USA 49093

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, 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, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, HSB Registration Services as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are category E

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

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

DECLARED before me at Three Rivers in the County of St. Joseph

this 9th day of May, 2018

(print) ROBERTA M. RYAN Notary Public, St. Joseph Co., MI (Month) (Year)  
My Commission Expires Sept. 13, 2018

(sign) Roberta M. Ryan  
(A Commissioner for Oaths)

Jonathan Hubbard  
(Signature of Applicant)

For Office Use Only See the attached two sheets for the scope of registration.  
To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category E

Registration Number: OE01564.62

Date Registered: JUN 27 2018

[Signature]  
(For the Administrator/Chief Inspector of Alberta)  
Expiry Date: May 20, 2028



**Armstrong**<sup>®</sup>

Armstrong International, Inc.

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

Page 2 (Continued from ABSA 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.

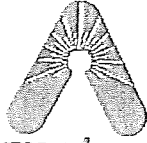
Armstrong International Certificate of Registration to ISO 9001:2015

JUN 27 2018

0E01564-62

Intelligent System Solutions STEAM AIR HOT WATER

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



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### 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

**ASCA**

SAFETY CODES ACT - PROVINCE OF ALBERTA  
REGISTRATION OF FITTINGS

REGISTRATION NO. **0E01564-82**

DWG. NO. or CAT. NO. **CD-80S/82S**

TYPE OF FITTINGS **Steam Traps**

**JUN 27 2010** INITIALS **Samir**

Date **JUN 27 2010** **SAMIR ISSA, P.ENG.**  
DESIGN SURVEY ENGINEER