



14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

October 25, 2012

ALICIA CZERNIAWSKI
ANRIC ENTERPRISES
701 EVANS AVESUITE 202
TORONTO ON M9C 1A3
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 923740
Your Reference No.: ENG-1209-0265

Dear ALICIA CZERNIAWSKI,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission on October 18, 2012 has been reviewed and registered as follows:

CRN No.: 0E8271.5R1
Reference No.: ENG-1209-0265
Main Design No.: CAT: 236-A 30M 1/02 -SERIES 400 & MISC. TRANPS/VENTS DWG D1741, CD-1105M, D1487, CD-1074, D1760, CD-1007, C4889, C4890, C4891, CD-1121, GD-1122, CD-1123
Expiry Date: 25-Oct-2022
Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

CRN Note: See attached "Part of CRN" for the scope.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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, P.Eng.

Tel.: 416-734-3436
Fax: 416-231-6183
Email: cdong@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 Three Rivers, MI, 49093

(Plant Address)

269-273-1415 x3379

(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 AMSE BPVC SEC VII DIV 1 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 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:

Series 400 & Misc. Traps/Vents: Dwgs - see attach. 1; Calculations - see attach. 2; Catalog #326-A 30M 1/02 - see attach. 3

(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers in the County of St. Joseph
the 2nd day of Oct AD 2012.

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

(Printed name)

Robert 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:

0E 8271-5R1

NOTE: SEE ATTACHED
'PART OF CRN' FOR
THE SCOPE.

Registered by:

Charley Dong

Dated:

Oct. 25/12

CXD
TSSA
Oct. 25/12

NOTE: This registration expires on Oct. 25, 2022

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

CRN: 0E8271-5R1

Signed: Charley Dong

Date: Oct. 25/12



Armstrong Steam and Condensate Group

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

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Series 400 & Misc. Traps/Vents: Dwgs – see attach. 1; Calculations – see attach. 2; Catalog #236-A 30M 1/02 – see attach. 3 (Continued)

ATTACHMENT 1 TO: STATUTORY DECLARATION; Registration of Fittings

DRAWINGS:

MODEL

DRAWING MODEL DEPICTED

D1741	STEEL; 4110,413,416,421
CD-1105	STEEL; 411G, 421
D1487	STEEL & STAINLESS; 2413
CD-1074	STEEL; 2413, 2416
D1760	981,983
CD-1007	981, 983
C4889	CS-2/3
C4890	CS-4/5
C4891	CS-6/8
CD-1121	CS-4/5
GD-1122	CS-6/8
CD-1123	CS-2/3/4/5/6/8

DRAWING DEPICTED

C5325#1	401-SH
C5325#2	501-SH
CD-1011	401-SH
CD-1012	501-SH
D1762	5133G/6155G
CD-1069	5133G
CD-1073	25133G HLS
CD-1092	6155G
CD-1094	26155GHLS
CD1114	26155GHLAR





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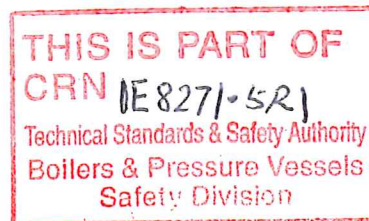
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Series 400 & Misc. Traps/Vents: Dwgs – see attach. 1; Calculations – see attach. 2; Catalog #236-A 30M 1/02 – see attach. 3 (Continued)

ATTACHMENT 3 TO: STATUTORY DECLARATION; Registration of Fittings

CATALOG PAGES:

SIZE	MODEL	CATALOG PAGES
411G/421	TRAP	86,87
413/416	TRAP	88,89
2413/2416	HLAR	446, 447
2413/2416	HLS	500, 501
981/983	TRAP	82, 83
CS-2/3	TRAP	122, 123
CS-4/5	TRAP	122, 123
CS-6/8	TRAP	122, 123
401-SH	TRAP	90, 91
501-SH	TRAP	90,91
5133G	TRAP	92, 93
6155G	TRAP	94, 95
25133G/26155G	HLAR	446, 447
25133G/26155G	HLS	500, 501





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Series 400 & Misc. Traps/Vents: Dwgs – see attach. 1; Calculations – see attach. 2; Catalog #236-A 30M 1/02 – see attach. 3 (Continued)

ATTACHMENT 2 TO: STATUTORY DECLARATION; Registration of Fittings

CALCULATIONS:

SIZE	BODY/CAP MATERIAL	BOLTING MATERIAL	PRODUCT VARIATION
411G	A105	B7	STEAM TRAP
421	A105/WCB	B7	STEAM TRAP
413	F22-CL 1	B7	STEAM TRAP
2413	F22-CL 1	B7	HLS/HLAR
413/2413	CF8M	B7	STEAM TRAP, HLS/HLAR
413/2413	CF8M	B8M CL 1	STEAM TRAP, HLS/HLAR
416/2416	F22-CL 1	B7	STEAM TRAP, HLS
981	WCB	B7	STEAM TRAP
983	WCB	B7	STEAM TRAP
CS-2/3	A216WCB	A216WCB	STEAM TRAP
CS-4/5	A216WCB	A216WCB	STEAM TRAP
CS-6/8	A216 WCB	A216WCB	STEAM TRAP
401-SH	A106GRB	WPB	STEAM TRAP
501-SH	A312TP316L	A240 316L	STEAM TRAP

