



To:	Paul Holliday	From:	Renzo Pupulin
Company:	Armstrong International	Phone:	416 - 747- 2345
Pages:	7	Location:	Toronto
Our File:	ANR-2525	Date:	November 15, 2012

Your File: ENG-1209-0265

Subject: Request for Design Registration

Dear Paul,

CSA has reviewed the documentation submitted by Armstrong International . These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0E8271.56R1.

The cost for this service is \$ 760.00 plus HST.

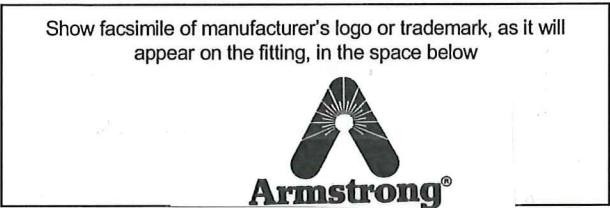
A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

Renzo Pupulin C.E.T.
Product Group Manager
Gas Appliances and Accessories
renzo.pupulin@csa-international.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4



STATUTORY DECLARATION Registration of Fittings

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

of Armstrong International, Inc.
(Name of Manufacturer)

Located at Three Rivers, MI 49093 269-273-1415 269-278-6555
(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 B31.3 2010 Edition 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 #236-A 1/02 - see attach. 3

(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers in the county of St Joseph
 the 5th day of NOV AD 2012.

Commissioner for Oaths:

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

Roberta 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: CSA-OE8271.56R1

Registered by: B. SANDHU

Dated: NOV. 14. 2012

NOTE: This registration expires on OCT. 25. 2022





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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	DRAWING	DEPICTED
D1741	STEEL; 4110,413,416,421	C5325#1	401-SH
CD-1105	STEEL; 411G, 421	C5325#2	501-SH
D1487	STEEL & STAINLESS; 2413	CD-1011	401-SH
CD-1074	STEEL; 2413, 2416	CD-1012	501-SH
D1760	981,983	D1762	5133G/6155G
CD-1007	981, 983	CD-1069	5133G
C4889	CS-2/3	CD-1073	25133G HLS
C4890	CS-4/5	CD-1092	6155G
C4891	CS-6/8	CD-1094	26155GHLS
CD-1121	CS-4/5	CD1114	26155GHLAR
GD-1122	CS-6/8		
CD-1123	CS-2/3/4/5/6/8		



ATTACHMENT TO
 CRN CSA - OE8271,56R1
 SIGNED Bekramjit Sandhu
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF
 CRN DE8271-5R1
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division



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 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

THIS IS PART OF
CRN OE8271-5R1
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division


CANADIAN STANDARDS
ASSOCIATION

ATTACHMENT TO
CRN CSA-OE8271.56R1

SIGNED Bekramjit Samolha

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

Intelligent System Solutions STEAM AIR HOT WATER

www.armstrong-intl.com



Page 3 (Continued from TSSA Statutory Declaration)

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	B8MCL 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

THIS IS PART OF
 CRN 0E8271-56R1
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division


 CANADIAN STANDARDS ASSOCIATION

ATTACHMENT TO
 CRN CSA-0E8271.56R1

SIGNED Bikramjit Sandhu
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

HSB REGISTRATION SERVICES
595 E. SWEDES FORD ROAD
WAYNE, PENNSYLVANIA 19087

Certificate of Registration

This is to certify that:
Armstrong International, Inc.
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 9001:2008
are fulfilled.*

EA Code: 14,17,18

Certificate Number: HQ-Q-383

Initial Audit Date: October 3, 2001

Effective Date: January 12, 2012

Expiration Date: January 11, 2015

Revision Date:

HSB REGISTRATION SERVICES



Signed on behalf of HSB Registration Services

Saskatchewan



Saskatchewan
Municipal
Government

Protection Services
130 - 1851 Victoria Avenue
Regina, Saskatchewan
S4P 3V7

787-4509

April 23, 1998

Re: Fittings Registration

The Province of Saskatchewan will be participating with Quebec, Manitoba and the Canadian Standards Association (CSA) in a pilot project for the registration of fittings. We will recognize registrations done by CSA and accept such fittings for use in Saskatchewan.

The letters CSA will be applied as a prefix to the CRN to indicate which fittings have been registered in this manner. I would appreciate if you could inform your clients of this additional marking requirement.

You may also inform your clients that fittings registered by CSA are accepted for use in Saskatchewan.

Yours truly,

A handwritten signature in black ink, appearing to read 'N. Surtees', written over the typed name.

N. Surtees, P. Eng.
Executive Director