



Inspection and Technical Services Manitoba
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www.firecomm.gov.mb.ca/codes_steam_pressure.html

December 20, 2012

Alicia Czerniawski
Anric Enterprises Inc.
202-701 Evans Ave.
Toronto, ON
M9C 1A3

Attn: Alicia Czerniawski

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: Armstrong International Inc.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
Catalog 236-A 30M 1/02	0E8271.54	32253

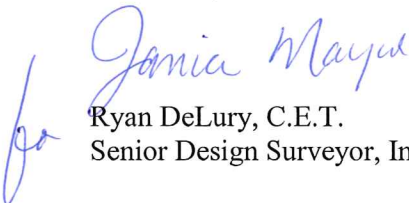
An invoice covering survey and registration fees is enclosed.

***NOTE:** Scope of Registration as per attached 3 pages stamped "Part of CRN"; includes models, drawings and catalog pages accepted. This registration expires October 25, 2022.*

This registration is valid until the indicated expiry date 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.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,


Ryan DeLury, C.E.T.
Senior Design Surveyor, Inspection and Technical Services

MANITOBA

DEPARTMENT OF LABOUR
AND IMMIGRATION
500 - 401 York Avenue
Winnipeg, Manitoba R3C 0P8



STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification

1. Andy Schirk
(See Note 2)

Quality Assurance Manager
(Position e.g.: president, plant manager, chief eng.)

of Armstrong International, Inc.
(Name of company)

located at Three Rivers, MI 49093
(Plant Address)

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.
or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with AMSE B31.3 2010
Edition code or 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 9001:2008, and has been verified by the following authority or authorized agency HSB Registration Services .

The fittings covered by this declaration, for which I seek registration, are Series 400 & Misc. Traps / Vents

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

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

Declared before me at Three Rivers in the province/state of Michigan the 5th
day of NOV AD 20 12

A (commissioner for oaths)

Roberta M. Ryan
ROBERTA M. RYAN

Andy Schirk
Signature of Declarer

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

(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.

EXPIRES OCT 25, 2022

Registered Number CRN 0E8271.54 For the Chief Inspector

Ryan Date: DEC 19, 2012

Notes:

* See ATTACHED STAMPED "PART of CRN" FOR MODELS, DRAWINGS & PAGES ACCEPTED.

- (1) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.
- (2) Two completed copies of Statutory Declaration form together with two copies of Catalogs, drawings or Bulletins illustrating above fittings shall be submitted.
- (3) All fittings are required to be registered in the name of the Manufacturer.





Armstrong Steam and Condensate Group

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

Page 2 (Continued from Manitoba 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 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

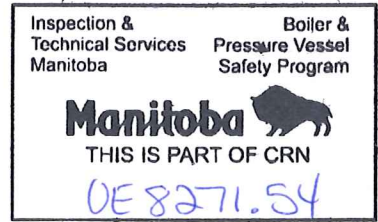
CD-1094 26155GHLS

CD-1121 CS-4/5

CD1114 26155GHLAR

GD-1122 CS-6/8

CD-1123 CS-2/3/4/5/6/8





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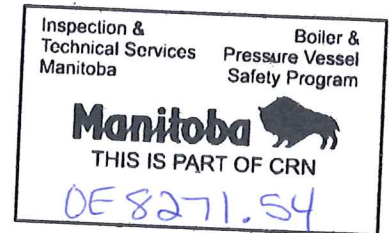
Page 3 (Continued from Manitoba Statutory Declaration)

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	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





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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

