

330 - 1855 Victoria Avenue  
Regina, SK S4P 3T2  
Canada

306-787-1443  
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## REGISTRATION APPROVAL

Thursday, December 20, 2012

Pressure Vessel Engineering  
120 Randall Drive, Suite B  
Waterloo, Ontario  
N2V 1C6

**ATTENTION :** Preston Kernohan

**Our File :** 8951 [ 0 F

With reference to your submission respecting the registration of the item below, for legal use in the province, please note we have surveyed, approved and registered this design as noted.

<b>MANUFACTURER :</b> Armstrong International	
<b>CATALOG OR DRAWING :</b> D46044 Rev. A, D46045 Rev. A, D46093 Rev. A	
<b>ITEM :</b> TVS4000, 360° & IS2 Connectors	<b>CRN :</b> OE15662.53

We wish to point out that every fitting must be constructed strictly in accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1. The date of expiry for this registration is **November 23, 2022**

Sincerely,



Athan Syrgiannis, Engineer-in-Training  
Codes and Standards Compliance

**REMARKS:** CRN registered under reciprocal agreement.



Technical Safety Authority of Saskatchewan Boiler & P.V. Safety Unit

CRN OE15662.53
File 8951
REGISTERED
Date Dec. 20, 2012
Design Survey Office

Boiler & Pressure Vessel Safety
330 - 1855 Victoria Avenue
REGINA, SK S4P 3T2
Ph: 306-787-1443 Fax: 306-787-9273

LIB-1008



Statutory Declaration
Registration of Fittings

I, Andy Schirk, Quality Assurance Manager (company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority in the manufacturing plant where the fitting is produced) of Armstrong International, Inc (name of manufacturer) located at 816 Maple Street Three Rivers, MI 49093 (plant address)

do solemnly declare that the fittings listed hereinunder, which are subject to the Saskatchewan Boiler and Pressure Vessel Safety Act (check one)

Comply with the requirements of (title of recognized North American Standard) which specifies the dimensions, 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 B31.3 2010 EDITION 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 manufacturer 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 manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are TVS4000, 360° & IS2 Connectors

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

DRAWINGS (assembly, part machining, rough parts) : TVS4000 Trap Valve Station Catalogue, Standard 360°Connector Catalogue & IS2 Catalogue. CALCULATIONS:PVEcl-6422-0.0. QC Certificate, burst test calculations, MTR's, burst test results, options listing.

DECLARED before me at Three Rivers in the county of St. Joseph this 29th day of Sept. 2012. ROBERTA M. RYAN, Notary Public, St. Joseph Co., MI. My Commission Expires Sept. 13, 2018. (print) (sign) Roberta M. Ryan (A Commissioner of Oaths) Andy Schirk (Signature of Applicant)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Boiler and Pressure Vessel Safety Act and CSA B51, Clause 4.2, and is accepted for registration in Category

Registration Number:
Date Registered:
(For the Administrator / Chief Inspector)
Expiry Date: