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April 11, 2019

EMMA SMITH
AAONE
PO BOX 91072 BURNHAMTHORPE PO
TORONTO ON M9C 5N5
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: **2526882**
Your Reference No.: A2019-133
Registered to: ARMSTRONG INTERNATIONAL

Dear EMMA SMITH,

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

CRN No.: **0C21290.5**

Main Design No.: Control Valve Model CV1500 (see the attachment to the Statutory Declaration Form for the scope of registration.)

Expiry Date: 11-Apr-2029

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, 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,



Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
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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 (GLOBAL QUALITY MANAGER)
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ARMSTRONG INTERNATIONAL, INC.
(Name of Manufacturer)

Other Plant: Mahindra World City, P 46, 8th Avenue Anjur Village, Natham Sub Post Chengalpattu 603 002 Tamil Nadu India
Located at Main Plant: 816 MAPLE ST. THREE RIVERS, MI 49093 USA
(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 B16.34 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 9001:2015 which has been verified by the following authority, HSB REGISTRATION SERVICES.

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

MODEL CV1500 CONTROL VALVES, NOMINAL SIZE 2-1/2IN, 3IN, AND 4IN. SEE PAGE TWO FOR DOCUMENT LISTING
(drawings, calculations, test reports, etc.)

Declared before me at Three Rivers in the County of St. Joseph
 the 1st day of March AD 2019.

Commissioner for Oaths:
 ROBERTA MARIE RYAN
 Notary Public, St. Joseph County, MI
 My Commission Expires Sept. 13, 2024
(Printed name)
Roberta Marie 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 C.

CRN: 0C21290.5
 Registered by: MARK VALCIC, P.ENG.
 Dated: APRIL 11, 2019
APRIL 11, 2029

NOTE: This registration expires on: APRIL 11, 2029

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

CRN.: 0C21290.5

Signed: W. Valcic

Date: APRIL 11, 2019



Armstrong International, Inc.

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

Page 2 (Continued from Statutory Declaration)

The scope of this application includes:

Model CV1500 Control Valve.

Connection sizes: 2-1/2in, 3in, and 4in

Connection types: CL150 flange and CL300 flange

Material of Construction: ASTM A216 Gr. WCB and ASTM A351 Gr. CF8M

Maximum allowable pressure: matches flange ratings.

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

Catalog pages applicable to these products

Drawings:

(01) END66850, (02) END66851, (03) END66853, (04) END66854, (05) END66884,
(06) END67250, (07) END67251, (08) END67253, (09) END67254, (10) END67285,
(11) END68054, (12) END68055, (13) END68057, (14) END68058, (15) END68087,
(16) END73213, (17) END73224, (18) END73234, (19) END73245, (20) END73255,
(21) END92765, (22) END92766, (23) END92768, (24) END92769, (25) END92778,
(26) END92779, (27) END92781, (28) END92782, (29) END92791, (30) END92792,
(31) END92794, (32) END92795, (33) END92885

CV1500 Control Valve size 2-1/2in, 3in, and 4in evaluations to ASME B16.34

CERTIFICATE OF REGISTRATIONS ISO 9001:2015 for Main (USA) Plant
Inspection Agency: Hartford Steam Boiler

CERTIFICATE OF REGISTRATIONS ISO 9001:2015 for Other (India) Plant
Inspection Agency: TUV

