

February 02, 2022

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2022-00410, originally received on January 24, 2022 was surveyed and accepted for registration as follows:

CRN : 0C23654.52 **Accepted on:** February 02, 2022
Reg Type: NEW DESIGN **Expiry Date:** December 09, 2031
Drawing No. : SCOPE OF REGISTRATION
Fitting type: 4600 SERIES GASKETED AND WELDED DIAPHRAGM VALVES
Design registered in the name of : CRANE INSTRUMENTATION SAMPLING INC

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.3 and ASME B31.1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and 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.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

CRANE



STATUTORY DECLARATION

Registration of Fittings

I, Paul Wright Engineering Supervisor
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Crane Instrumentation & Sampling
(Name of Manufacturer)

Located at 405 Centura Court, Spartanburg, SC, 29303, 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 B31.1 2020 Ed./ASME B31.3 2020 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 which has been verified by the following authority, SAI Global.

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:

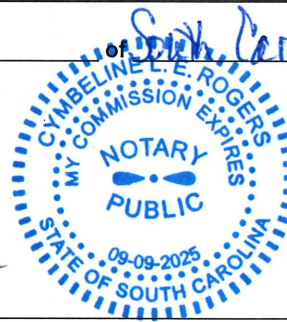
ER-4600CRN **
(drawings, calculations, test reports, etc.)

Declared before me at Spartanburg in the State
the 30th day of August AD 2021.

Commissioner for Oaths:

Cymbeline L.E. Rogers
(Printed name)
Cymbeline L.E. Rogers
(Signature)

Paul Wright
(Signature of Declarer)



FOR OFFICE USE ONLY

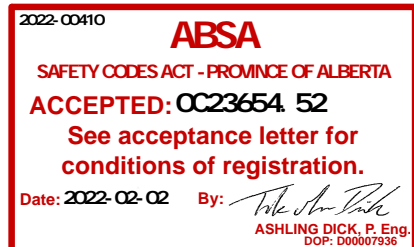
To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category _____.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: _____

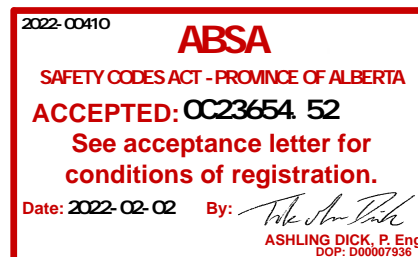


This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act

<div style="border: 1px solid black; padding: 5px; text-align: center;"> CRANE ER-4600CRN </div>	Engineering Report Title Qualification of Hoke 4600-series Packless Diaphragm Valves by Burst Test and Similarity	REV. DATE: PAGE:	- 25-Aug-2021 24 OF 24
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Scope of Registration

Part Number	Main Pressure Bearing Components		Conn. Sizes	Min. Design Metal Temp. (MDMT)	Maximum Allowable Working Pressure		Design Code of Construction
	Description	Material			MDMT ≤ T ≤ 100°F	At Maximum Temperature	
4613N4M	Diaphragm	Inconel 600 (ASTM B168 / ASME SB-168)	¼" Socket Weld Tube	-65°F	300 psig	300 psig @ 240°F	ASME B31.1 (Unlisted Components)
4623N4M							
4618N4M	Body	Monel R405 (ASTM B164 / ASME SB-164)					
4628N4M						300 psig @ 600°F	ASME B31.3 (Unlisted Components)



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.