



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

July 22, 2013

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2013-02253, originally received on March 28, 2013 was surveyed and accepted for registration as follows:

CRN : 0C13598.2

Accepted on: July 22, 2013

Reg Type: New Design

Expiry Date: July 22, 2023

Drawing No. : CAT'S: CV-600/603/701/702 & WCV-12-22-08 As Noted

Fitting type: CHECK VALVES - LISTED IN NOTES

Design registered in the name of : CRANE ENERGY FLOW SOLUTIONS

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

TSSA SR# 1070118/CRN 0C7890.5ADD3

The Alberta registration (CRN) was issued based on the Client's agreement.

This registration has been issued based on the understanding that:

- It is valid for the following fabrication facilities: Crane Australia Pty. Ltd., of 146-154 Dunheved Circuit, St. Marys, NSW, Australia, and Crane Energy Flow Solutions, of 9860 Johnson Road, Montgomery, TX, USA;
- It includes the check valves made in strict conformance with ASME B16.34 and API 594 with respect to sizes, pressure classes and material specifications. Valves in sizes and material specifications outside the scope of the listed standards are not included in this registration;
- The valves are exemplified in the following catalogues: CV-600, CV-603, CV-701, CV-702 and WCV-12-22-08.

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 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.

Enclosed are stamped prints for your reference.

Sincerely,

PREDA, DRAGOS, P. Eng.



STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of
manufacturer's logo or
trademark as it will appear on
the fitting.

CRANE COMPAC-NOZ[®]
DUO-CHEK[®] NOZ-CHEK[®]
UNI-CHEK[®] MOYGRO

I, Rajan Raman,
Quality-OpEx Manager
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of Crane Australia Pty Ltd
(name of manufacturer)

located at 146-154 Dunheved Circuit, St. Marys, New South Wales, Australia
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act
(check one)

- ☒ comply with the requirements of ASME B16.1, 16.5, 16.34, 16.47 which specifies the dimensions,
(title of recognized North American Standard)
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 _____ 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 manufacture of these fittings is controlled by a quality control program which has been verified by the
following authority, Lloyd's Register as being suitable for the manufacture of these fittings to the
stated standard. The fittings covered by this declaration, for which I seek registration, are Check Valves

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

Catalogs: CV-600, CV-603, CV-701, CV-702, WCV-12-22-08



DECLARED before me at Sutherland in the State of New South Wales
this 22 day of June, 2012
(Month) (Year)
(print) MALCOLM CARR
(signature) [Signature]
(A Commissioner for Oaths) notary public
(Signature of Applicant)

For Office Use Only

See Acceptance Letter for the comments
and/or conditions of registration.

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

Registration Number: 0C13598.2

Date Registered: JUL 22 2013

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: 2023/07/22

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.



**STATUTORY DECLARATION
Registration of Fittings**

In this space, show facsimile of
manufacturer's logo or
trademark as it will appear on
the fitting.
DUO-CHEK®

I, Corla Jacobson,
Quality Manager
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of CRANE Energy Flow Solutions
(name of manufacturer)

located at 9860 Johnson Road, Montgomery, TX 77316
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act
(check one)

- ☒ comply with the requirements of API 594, API 598 which specifies the dimensions,
(title of recognized North American Standard)
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 _____ 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 manufacture of these fittings is controlled by a quality control program which has been verified by the
following authority, DET NORSKE VERITAS as being suitable for the manufacture of these fittings to the
stated standard. The fittings covered by this declaration, for which I seek registration, are Check Valves

In support of this application, the following information, calculations and/or test data are attached:
Catalogs: CV-600

DECLARED before me at Crane in the County of of Montgomery, Tex.
this 22nd day of June, 2013.
(print) Carol D. Freeman
(sign) Carol D. Freeman
(A Commissioner for Oaths)



Corla Jacobson
(Signature of Applicant)

For Office Use Only

See Acceptance Letter for the comments
and/or conditions of registration.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard
B51, Clause 4.2, and is accepted for registration in Category u c u

Registration Number: 0013598.2

Date Registered: JUL 22 2013 (For the Administrator/Chief Inspector of Alberta)
Expiry Date: 2023/07/22