

September 11, 2019

Attention: Jason Alberti
CLARKE INDUSTRIAL ENGINEERING
42 WHITECAP DRIVE
NORTH KINGSTON, RI 02852

The design submission, tracking number 2019-05295, originally received on July 29, 2019 was surveyed and accepted for registration as follows:

CRN : 0C20008.2 **Accepted on:** September 11, 2019

Reg Type: NEW DESIGN **Expiry Date:** September 11, 2029

Drawing No. : CLARKEVALVE-SOR Rev 1

Fitting type: VALVE SERIES CV2, CV308, CV1345, CV20, CV71

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

The scope of this registration is for valve series CV2, CV308, CV1345, CV20, and CV71. Additional details are provided in the scope of registration including the sizes, classes, and materials.

As indicated on the AB-41 Statutory Declaration form and submitted documentation the code of construction is ASME B16.34.

This submission has been accepted for registration based on the understanding that all valves will be built in compliance with ASME B16.34 in its entirety.

The scope of this registration includes all Group 2.3 grade 316L materials listed in B16.34 Table 1 as per your email on August 28.

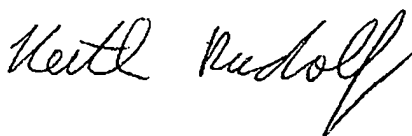
This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

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 3344 or fax (780) 437-7787 or e-mail Rudolf@absa.ca.

Sincerely,



RUDOLF, KEITH, P. Eng.
DOP Cert. No. D00008862

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category



I, Thomas Karn, Quality Manager
(name of applicant) (position title) (must be in a position of authority)

of Clarke Industrial Engineering
(name of manufacturer)

located at 42 Whitecap Drive, North Kingstown, RI 02852, USA
(plant address)

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

comply with the requirements of ASME B16.34 ① 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 _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Per Scope of Registration Summary: SOR-CLARKEVALVE-REV.0	ISO 9001:2015	Design, Development and Manufacture of Proprietary Clarke Valves and Associated Products for the Industrial Valve Market	June 15, 2021	AVU Registrations, Inc.	42 Whitecap Drive, North Kingstown, RI 02852 USA
2.						

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

Per Scope of Registration Summary: SOR-CLARKEVALVE-REV.0 (2)

Thomas G. Gan (Signature of the Declarer)

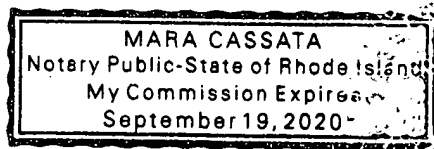
July 16, 2019 (Date)

DECLARED before me at North Kingstown in the State of Rhode Island

this 16 day of July, 2019

(print) Mara Cassata (a Commissioner of Oaths or Notary Public)

(sign) Mara Cassata (a Commissioner of Oaths or Notary Public)



09/19/2020 (expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: Rhode Island (province, territory, or state)

For ABSA Office Use Only:

NOTES: (1) Code edition is 2017. (2) Scope of registration summary is Clarke Valve - SOR Rev 1.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category C. CRN: 0C20008.2 Registered Date: SEP 11 2019 Expiry Date: Sep 11 2029 Signature: [Signature] (Signature of the Administrator/SCO) 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 Pressure Equipment Discipline

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



42 Whitecap Drive
North Kingstown, RI 02852 USA

Series	Material of Construction	Process Connection Type	Max. Operating Temperature (°F)	MAWP (psi)	Pressure Class Range	Code of Construction
CV71	ASME B16.34 Group 2.2, A351 CF3M	ASME B16.5: 1", 1.5", 2", 3", 4"	ASME B16.34 Table VII-2-2.2	ASME B16.34 Table VII-2-2.2	600, 900, 1500	ASME B16.34

ABSA	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	0C2008.2
DWG. NO. or CAT. NO.	Clarke Valve - SOR
TYPE OF FITTINGS	Valve Series CV2, CV3, CV8, CV1345, CV200, CV71
Date	SEP 11 2019
INITIALS	<i>Keith Rudolph</i>
	KEITH RUDOLF, P.Eng.
	DESIGN SURVEY ENGINEER

Rev 1

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

0C20008.2



42 Whitecap Drive
North Kingstown, RI 02852 USA

SEP 11 2019

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

Scope of Registration Summary, ClarkeValve-SOR-REV1

Series	Material of Construction	Process Connection Type	Max. Operating Temperature (°F)	MAWP (psi)	Pressure Class Range	Code of Construction
CV2	ASME B16.34 Group 2.3, 316L Stainless Steel	1/4 NPT	ASME B16.34 Table VII-2-2.3	ASME B16.34 Table VII-2-2.3	150, 300, 600, 900, 1500	
CV308	ASME B16.34 Group 2.2, A351 CF3M	ASME B16.5: 2", 3", 4", 6"	ASME B16.34 Table VII-2-2.2	ASME B16.34 Table VII-2-2.2	150,300,600	
		ASME B16.5: 10"				
CV1345	ASME B16.34 Group 2.2, A351 CF3M	ASME B16.5: 4", 6", 8", 10", 12"	ASME B16.34 Table VII-2-2.2	ASME B16.34 Table VII-2-2.2	150,300,600	
		0.5", 1", 1.5" NPT & SW				
CV20	ASME B16.34 Group 2.3, 316L Stainless Steel	ASME B16.5: 0.5", 0.75", 1", 1.5", 2", 3"	ASME B16.34 Table VII-2-2.2	ASME B16.34 Table VII-2-2.2	150, 300, 600, 900, 1500	ASME B16.34
		1", 2" NPT				
CV71	ASME B16.34 Group 2.3, 316L Stainless Steel	ASME B16.5: 1", 1.5", 2", 3", 4", 6"	ASME B16.34 Table VII-2-2.2	ASME B16.34 Table VII-2-2.2	150, 300, 600, 900, 1500	

October 11, 2019

Attention: Jason Alberti
CLARKE INDUSTRIAL ENGINEERING
42 WHITECAP DRIVE
NORTH KINGSTON, RI 02852

The design submission, tracking number 2019-06540, originally received on September 24, 2019 was surveyed and accepted for registration as follows:

CRN : 0C20008.2 **Accepted on:** October 11, 2019
Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** September 11, 2029
Drawing No. : CLARKEVALVE-SOR Rev 2
Fitting type: VALVE SERIES CV2, CV308, CV1345, CV20, CV71

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

The scope of this registration is the addition of A216-WCB material to CRN 0C20008.2 which was originally accepted under tracking number 2019-05295.

As indicated on the AB-41 Statutory Declaration form and submitted documentation the code of construction is ASME B16.34.

This submission has been accepted for registration based on the understanding that all valves will be built in compliance with ASME B16.34 in its entirety.

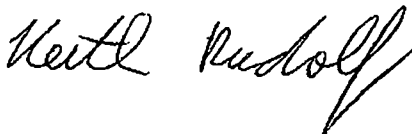
This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

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.

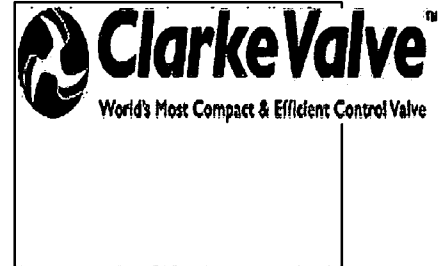
If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3344 or fax (780) 437-7787 or e-mail Rudolf@absa.ca.

Sincerely,



RUDOLF, KEITH, P. Eng.
DOP Cert. No. D00008862

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category



I, Thomas Karn, Quality Manager
(name of applicant) (position title) (must be in a position of authority)

of Clarke Industrial Engineering
(name of manufacturer)

located at 42 Whitecap Drive, North Kingstown, RI 02852, USA
(plant address)

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

comply with the requirements of ASME B16.34 * which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or

(title of recognized North American Standard)

are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the

(title of code of construction or other applicable document)

attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Per Scope of Registration Summary: SOR-CLARKEVALVE-REV.2	ISO 9001:2015	Design, Development and Manufacture of Proprietary Clarke Valves and Associated Products for the Industrial Valve Market	June 15, 2021	AVU Registrations, Inc.	42 Whitecap Drive, North Kingstown, RI 02852 USA
2.						

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

Per Scope of Registration Summary: SOR-CLARKEVALVE-REV.2

Signature of the Declarer: Thomas G. Gave

Date: September 20, 2019

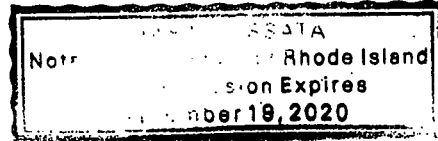
DECLARED before me at North Kingstown in the State of Rhode Island

this 20 day of September, 2019

(print) Mara Cassata (a Commissioner of Oaths or Notary Public)

(sign) Mara Cassata (a Commissioner of Oaths or Notary Public)

09/19/20 (expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Rhode Island (province, territory, or state)

For ABSA Office Use Only:

NOTES: * Code edition is 2017.

Registration details box containing: To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category C. CRN: 0C20008.2 Registered Date: OCT 11 2019 Expiry Date: Sep 11 2029 Signature: North Russell (Signature of the Administrator/SCO) 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 Pressure Equipment Discipline. "See Acceptance Letter for the comments and/or conditions of registration"

Series	Material of Construction	Process Connection Type	Max. Operating Temperature (°F)	MAWP (psi)	Pressure Class Range	Code of Construction
CV71	ASME B16.34 Group 2.3, 316L Stainless Steel	1", 2" NPT	ASME B16.34 Table VII-2-2.3	ASME B16.34 Table VII-2-2.3	150, 300, 600, 900, 1500	ASME B16.34
	ASME B16.34 Group 2.2, A351 CF3M ^[1] ASME B16.34 Group 1.1, A216 WCB ^[2]	ASME B16.5: 1", 1.5", 2", 3", 4", 6"	ASME B16.34 Table VII-2-2.2, ASME B16.34 Table VII-2- 1.1	ASME B16.34 Table VII-2-2.2, ASME B16.34 Table VII-2-1.1	150, 300	
CV71	ASME B16.34 Group 2.2, A351 CF3M ^[1] ASME B16.34 Group 1.1, A216 WCB ^[2]	ASME B16.5: 1", 1.5", 2", 3", 4"	ASME B16.34 Table VII-2-2.2	ASME B16.34 Table VII-2-2.2	600, 900, 1500	

Notes:

- 1- Per ASME B16.34, not recommended for prolonged use above 800° F.
- 2- Per ASME B16.34, not to be used over 850° F.

ABSA	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	<u>0C20008.2</u>
DWG. NO. or CAT. NO.	<u>ClarkeValve-SOR</u>
TYPE OF FITTINGS	<u>Valve Series CV2, CV3</u>
OCT 11 2019	INITIALS <u>Keith Rudolf</u>
Date	KEITH RUDOLF, P.Eng. DESIGN SURVEY ENGINEER

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

Rev 2
08, CV1345, CV20, CV71

OCT 11 2019

Scope of Registration Summary, ClarkeValve-SOR-REV2

Series	Material of Construction	Process Connection Type	Max. Operating Temperature (°F)	MAWP (psi)	Pressure Class Range	Code of Construction
CV2	ASME B16.34 Group 2.3, 316L Stainless Steel	1/4 NPT	ASME B16.34 Table VII-2-2.3	ASME B16.34 Table VII-2-2.3	150, 300, 600, 900, 1500	ASME B16.34
CV308	ASME B16.34 Group 2.2, A351 CF3M ^[1]	ASME B16.5: 2", 3", 4", 6"	ASME B16.34 Table VII-2-2.2,	ASME B16.34 Table VII-2-2.2,	150,300,600	
	ASME B16.34 Group 1.1, A216 WCB ^[2]	ASME B16.5: 10"	ASME B16.34 Table VII-2-1.1	ASME B16.34 Table VII-2-1.1	150	
CV1345	ASME B16.34 Group 2.2, A351 CF3M ^[1] ASME B16.34 Group 1.1, A216 WCB ^[2]	ASME B16.5: 4", 6", 8", 10", 12"	ASME B16.34 Table VII-2-2.2, ASME B16.34 Table VII-2-1.1	ASME B16.34 Table VII-2-2.2, ASME B16.34 Table VII-2-1.1	150,300,600	
CV20	ASME B16.34 Group 2.3, 316L Stainless Steel	0.5", 1", 1.5" NPT & SW	ASME B16.34 Table VII-2-2.3	ASME B16.34 Table VII-2-2.3	150, 300, 600, 900, 1500	
	ASME B16.34 Group 2.2, A351 CF3M ^[1] ASME B16.34 Group 1.1, A216 WCB ^[2]	ASME B16.5: 0.5", 0.75", 1", 1.5", 2", 3"	ASME B16.34 Table VII-2-2.2, ASME B16.34 Table VII-2-1.1	ASME B16.34 Table VII-2-2.2, ASME B16.34 Table VII-2-1.1	150, 300, 600, 900, 1500	