

May 05, 2020

**Attention:** Greg Loewen  
PURA ENERGY INC  
107 LAKE PLACID PLACE SE  
CALGARY, AB T2J 5R6

The design submission, tracking number 2020-01813, originally received on March 30, 2020 was surveyed and accepted for registration as follows:

**CRN :** 0C19859.52 **Accepted on:** May 05, 2020  
**Reg Type:** ADDITION TO ACC. FITTING **Expiry Date:** December 04, 2027  
**Drawing No. :** 300 SERIES CHECK VALVES DATA SHEET  
**Fitting type:** SERIES 300 CHECK VALVES W/ ORFS CONNECTION  
Design registered in the name of : OASIS ENGINEERING LTD

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

*\*\* The scope of this registration include only adding the ORFS connection to the 300 series check valves  
\*\* The following drawings are also included as part of this registration: KCV304-60 Rev B, KCV304-61 Rev B,  
CV304-6FXFN Rev A, XCV306-60 Rev B, XCV306-61 Rev B, CV306-6FXFP Rev A, XCV308-60 Rev B,  
XCV308-61 Rev B, CV308-6FXFP Rev A*

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

*- 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, pressure/temperature 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.

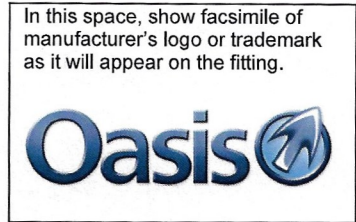
Sincerely,



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

STATUTORY DECLARATION Registration of Fittings

I, Andrew Alexander Cameron, Managing Director of Oasis Engineering Limited located at 129 Birch Ave, Tauranga, New Zealand

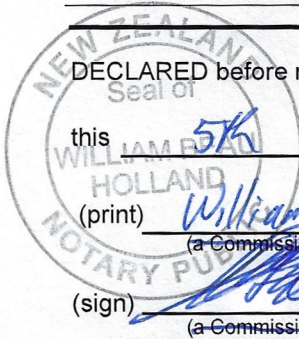


do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ... 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 Proprietary standard supported by ASME calculations and/or proof tests 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, TELARC SAI LIMITED 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 300 Series Check Valves (ORFS connection)

In support of this application, the following information, calculations and/or test data are attached: ASME B31.3 Calculations, 300 Series Check Valve Data sheet, Drawings



DECLARED before me at Tauranga in the country of New Zealand this 5th day of March 2020 W.B. Holland Notary Public Tauranga New Zealand

Signature of applicant

For ABSA Office Use Only:

NOTES:

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

Registration Number:

Date Registered:

Expiry Date:

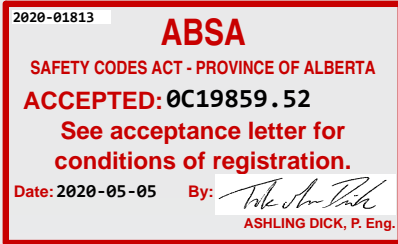
ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0C19859.52 See acceptance letter for conditions of registration. Date: 2020-05-05 By: P. Ling Dick, P. Eng.

## 300 Series Check Valves

### Applications

Unidirectional flow applications such as CNG Dispensers, Fill Panels, Priority Panels, Compressors, Trailers and Service Stations, where flow should only be allowed to travel in one direction.

Suitable for CNG, Bio Gas, Nitrogen and Air.



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.



CV300 Series Check Valves

### Materials

Item	Part	Material
1	Body	316 Stainless steel
2	End cap	316 Stainless steel
3	Body insert	6061 Aluminium
4	Poppet	316 Stainless steel

Item	Part	Material
5	Poppet spring	304 Stainless steel
6	Poppet seal	B16 PEEK
7	End Cap O-rings	Nitrile

### Product Information

NPT, SAE and BSP thread options available.

NPT threads conform to ASME B1.20.1

SAE threads conform to SAE J1926-1

BSP threads conform to ISO 228-1

ORFS threads conform to SAE J1453-1

All products are manufactured to ISO 9001 standards.

Complies to PED 2014/68/EU.\*

CRN (0C19859.5CADD1) approved for all provinces and territories. \*\*

Designed for unidirectional flow, direction shown on valve.

Springs with different cracking pressures available upon request, minimum order quantities may apply.

\*PED compliance pending for CV300 series valves with ORFS ports.

\*\*CRN compliance pending for CV300 series valves with ORFS ports.

We reserve the right to modify product specifications without prior notice.

### Features & Benefits

Stainless steel, two-piece, serviceable check valve that sets the standard in flow rates.

Precision manufactured from certified bar stock, provides endurance and reliability in any application.

Flow protected spring with optimized flow path gives increased flow rates and greater resistance to chatter.

One-piece poppet provides greater strength and reliable sealing performance.

Easy to install service kits are readily available allowing in-field servicing, reducing downtime.

## 300 Series Check Valves

### NPT Product Specification

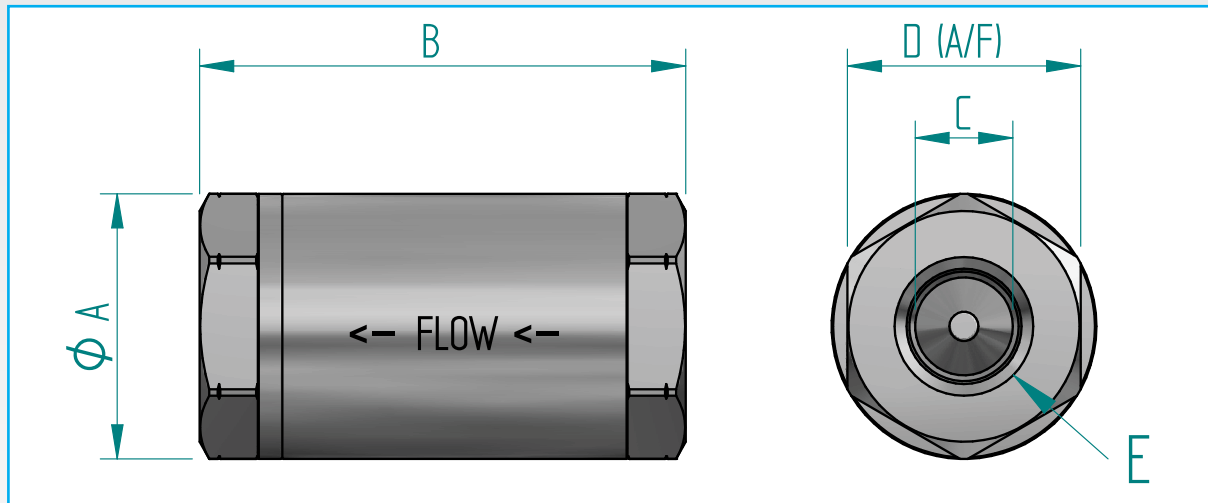
Part Code	Mass lb (kg)	Min. Crack Pressure psi(bar)*	Max. Operating Pressure psi (bar)**	Min Temp. °F (°C)	Max Temp. °F (°C)	Cycles Before Rekit <sup>^</sup>	Cv	Service Kit
CV304-6NXDN	1.1 (0.5)	2 (0.14)	6000 (410)	-40 (-40)	185 (85)	100,000	8	CV304-SKXDN
CV306-6NXDP	3.28 (1.49)	2 (0.14)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	23	CV306-SKXDP
CV308-6NXDP	5.79 (2.63)	0.5 (0.03)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	34	CV308-SKXDP

\* Minimum upstream pressure at which the valve will open.

\*\* Maximum pressure at which the product can continuously operate.

<sup>^</sup> It is recommended that the check valve is re-kitted on or before the maximum number of allowable cycles.

<sup>^^</sup> This product uses a low temperature nitrile O-ring compound and may be suitable for use down to -65°F (-54°C) in certain applications. Contact Oasis to discuss your requirements.



### NPT Dimensions Inch (mm)

Part Code	Size	Diameter Ø A	Length B	Bore C	Hex D (A/F)	Port Thread E
CV304-6NXDN	1/2"	1.49 (38)	2.85 (72.5)	0.51 (13)	1.31 (33.4)	1/2" NPT Female
CV306-6NXDP	3/4"	2.15 (54.5)	3.94 (100)	0.79 (20.1)	1.89 (48)	3/4" NPT Female
CV308-6NXDP	1"	2.72 (69.2)	4.29 (109)	0.98 (24.9)	2.36 (60)	1" NPT Female

## 300 Series Check Valves

### SAE Product Specification

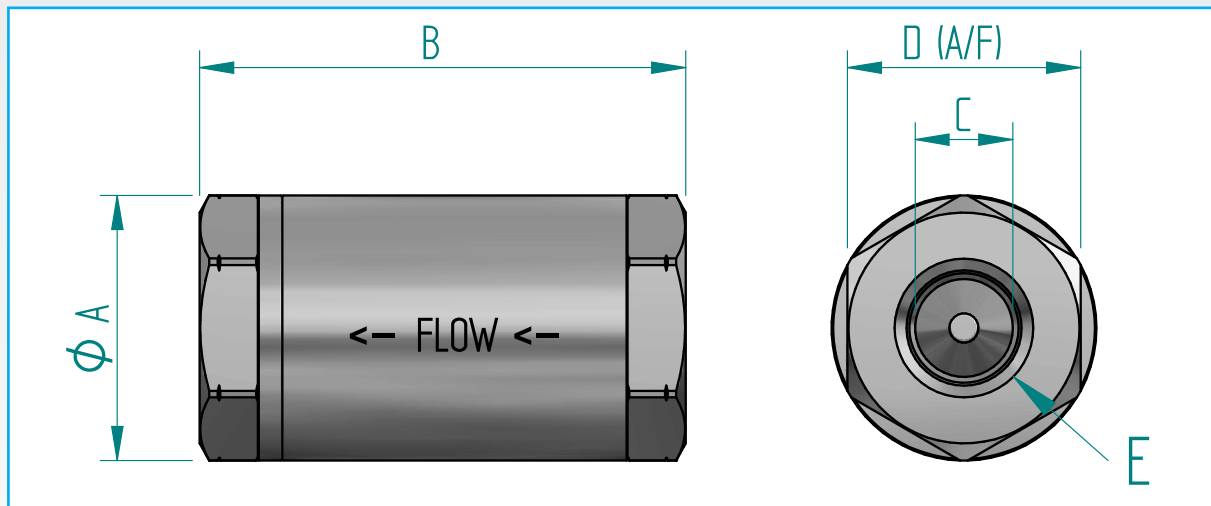
Part Code	Mass lb (kg)	Min. Crack Pressure psi(bar)*	Max. Operating Pressure psi (bar)**	Min Temp. °F (°C)	Max Temp. °F (°C)	Cycles Before Rekit <sup>^</sup>	Cv	Service Kit
CV304-6SXDN	1.1 (0.5)	2 (0.14)	6000 (410)	-40 (-40)	185 (85)	100,000	8	CV304-SKXDN-S
CV304-6SXFN	1.1 (0.5)	20 (1.38)	6000 (410)	-40 (-40)	185 (85)	100,000	8	CV304-SKXFN-S
CV306-6SXDP	3.28 (1.49)	2 (0.14)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	23	CV306-SKXDP-S
CV306-6SXFP	3.28 (1.49)	20 (1.38)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	23	CV306-SKXFP-S
CV308-6SXDP	5.79(2.63)	0.5 (0.03)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	34	CV308-SKXDP-S

\* Minimum upstream pressure at which the valve will open.

\*\* Maximum pressure at which the product can continuously operate.

<sup>^</sup> It is recommended that the check valve is re-kitted on or before the maximum number of allowable cycles.

<sup>^^</sup> This product uses a low temperature nitrile O-ring compound and may be suitable for use down to -65°F (-54°C) in certain applications. Contact Oasis to discuss your requirements.



### SAE Dimensions Inch (mm)

Part Code	Size	Diameter Ø A	Length B	Bore C	Hex D (A/F)	Port Thread E
CV304-6SXDN	1/2"	1.49 (38)	2.85 (72.5)	0.51 (13)	1.31 (33.4)	3/4-16 SAE Female
CV306-6SXDP	3/4"	2.15 (54.5)	3.94 (100)	0.79 (20.1)	1.89 (48)	1 1/16-12 SAE Female
CV308-6SXDP	1"	2.72 (69.2)	4.29 (109)	0.98 (24.9)	2.36 (60)	1 5/16-12 SAE Female

## 300 Series Check Valves

### BSP Product Specification

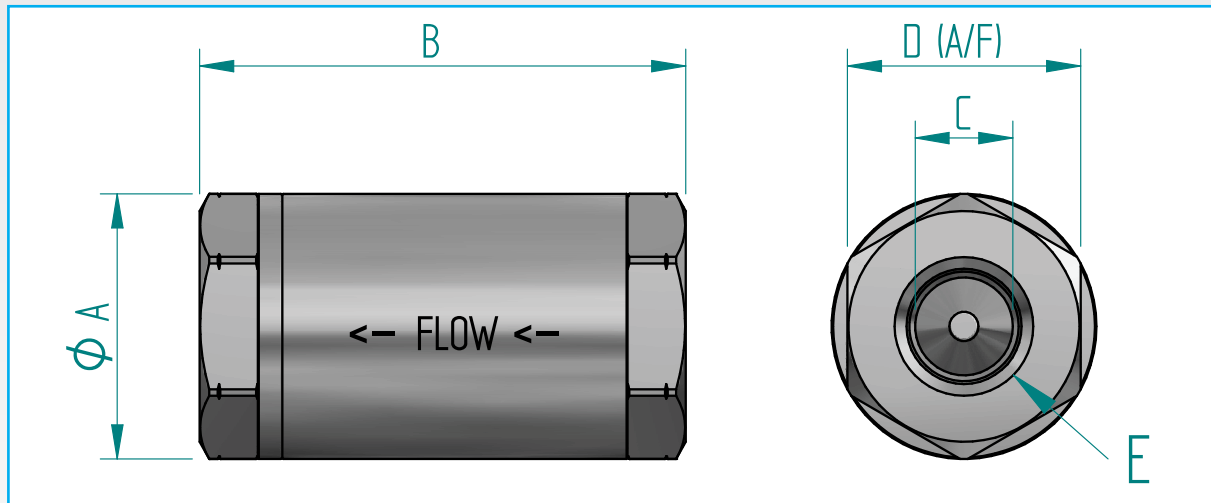
Part Code	Mass lb (kg)	Min. Crack Pressure psi(bar)*	Max. Operating Pressure psi (bar)**	Min Temp. °F (°C)	Max Temp. °F (°C)	Cycles Before Rekit <sup>^</sup>	Cv	Service Kit
CV304-6BXDN	1.1 (0.5)	2 (0.14)	6000 (410)	-40 (-40)	185 (85)	100,000	8	CV304-SKXDN-B
CV306-6BXDP	3.28 (1.49)	2 (0.14)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	23	CV306-SKXDP-B
CV308-6BXDP	5.79 (2.63)	0.5 (0.03)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	34	CV308-SKXDP-B

\* Minimum upstream pressure at which the valve will open.

\*\* Maximum pressure at which the product can continuously operate.

<sup>^</sup> It is recommended that the check valve is re-kitted on or before the maximum number of allowable cycles.

<sup>^^</sup> This product uses a low temperature nitrile O-ring compound and may be suitable for use down to -65°F (-54°C) in certain applications. Contact Oasis to discuss your requirements.



### BSP Dimensions Inch (mm)

Part Code	Size	Diameter Ø A	Length B	Bore C	Hex D (A/F)	Port Thread E
CV304-6BXDN	1/2"	1.49 (38)	2.85 (72.5)	0.51 (13)	1.31 (33.4)	1/2" BSPP
CV306-6BXDP	3/4"	2.15 (54.5)	3.94 (100)	0.79 (20.1)	1.89 (48)	3/4" BSPP
CV308-6BXDP	1"	2.72 (69.2)	4.29 (109)	0.98 (24.9)	2.36 (60)	1" BSPP

## 300 Series Check Valves

### ORFS Product Specification

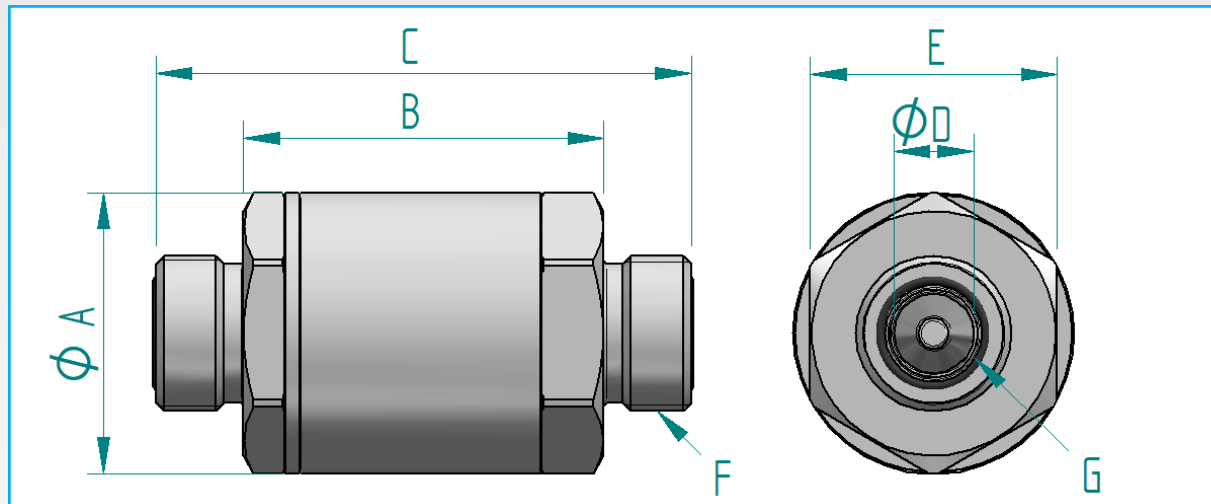
Part Code	Mass lb (kg)	Min. Crack Pressure psi(bar)*	Max. Operating Pressure psi (bar)**	Min Temp. °F (°C)	Max Temp. °F (°C)	Cycles Before Rekit <sup>^</sup>	Cv	Service Kit
CV304-6FXFN	0.9(0.4)	20 (1.38)	6000 (410)	-40 (-40)	185 (85)	100,000	3	CV304-SKXFN-F
CV306-6FXFP	2.5(1.12)	20 (1.38)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	10.5	CV306-SKXFN-F
CV308-6FXFP	4.3(1.95)	20 (1.38)	6000 (410)	-40 (-40) <sup>^^</sup>	185 (85)	100,000	25	CV308-SKXFN-F

\* Minimum upstream pressure at which the valve will open.

\*\* Maximum pressure at which the product can continuously operate.

<sup>^</sup> It is recommended that the check valve is re-kitted on or before the maximum number of allowable cycles.

<sup>^^</sup> This product uses a low temperature nitrile O-ring compound and may be suitable for use down to -65°F (-54°C) in certain applications. Contact Oasis to discuss your requirements.



### BSP Dimensions Inch (mm)

Part Code	Size	Diameter Ø A	Length B	Length C	Bore Ø D	Hex E (A/F)	Port Thread F	O-Ring size G	ARP size G
CV304-6FXFN	1/2"	1.49 (38)	2 (50.8)	3 (76.8)	0.4 (9.5)	1.31 (33.4)	13/16-16 UN ORFS	014	
CV306-6FXFP	3/4"	2.15 (54.5)	2.76 (70)	4.1 (104)	0.6 (15.5)	1.89 (48)	1 3/16-12 UN ORFS	018	
CV308-6FXFP	1"	2.72 (69.2)	3 (77)	4.4 (112)	0.8 (20.5)	2.36 (60)	1 7/16-12 UN ORFS	021	