the pressure equipment safety authority

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

May 19, 2020

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

The design submission, tracking number 2020-02555, originally received on May 12, 2020 was surveyed and accepted for registration as follows:

CRN : 0C22286.52 **Accepted on:** May 19, 2020

Reg Type: NEW DESIGN **Expiry Date:** March 25, 2030

Drawing No. : SCOPE OF CRN REGISTRATION Rev 02FEB20

Fitting type: VALVE

Design registered in the name of : CIRCOR AEROSPACE 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 B31.1 and 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 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,

LIU, XING, P. Eng.
DOP Cert. No. D00008861

CIRCOR AEROSPACE, INC.
2301 Wardlow Circle
Corona, California
92880, USA

CIRCOR | Circle Seal Controls

SCOPE OF CRN REGISTRATION

Product Description	Model	Design Code	Valve Type	End Connection	Size	Material Specifications (Note 3)	MAWP at MAWT (Note 1)	Report Number
Relief Valves **(Note 2)**	Series 5100	ASME B31.1, ASME B31.3	Pop-off Type M	NPT	1/8"	Type 316 SS	2400 psig at 400°F	R-1195
						Type 303 SS	2400 psig at 400°F	
						Brass	2400 psig at 350°F	
					1/4"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	2400 psig at 350°F	
					3/8"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	2400 psig at 350°F	
					1/2"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	1700 psig at 350°F	
					3/4"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	1600 psig at 350°F	
					1"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	2400 psig at 350°F	
					1-1/4"	Type 316 SS	1200 psig at 400°F	
						Type 303 SS	1200 psig at 400°F	
						Brass	1200 psig at 350°F	
			In-Line Type MP	NPT	1/8"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	1400 psig at 350°F	
					1/4"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	2400 psig at 400°F	
						Brass	1400 psig at 350°F	

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SCOPE OF CRN REGISTRATION CONTINUED

Product Description	Model	Design Code	Valve Type	End Connection	Size	Material Specifications (Note 3)	MAWP at MAWT (Note 1)	Report Number
Relief Valves **(Note 2)**	Series 5100	ASME B31.1, ASME B31.3	In-Line Type MP	NPT	3/8"	Type 316 SS	2400 psig at 400°F	R-1195
						Type 303 SS	2400 psig at 400°F	
						Brass	1400 psig at 350°F	
					1/2"	Type 316 SS	2400 psig at 400°F	
						Type 303 SS	1800 psig at 400°F	
						Brass	1000 psig at 350°F	
					3/4"	Type 316 SS	2200 psig at 400°F	
						Type 303 SS	1600 psig at 400°F	
						Brass	900 psig at 350°F	
					1"	Type 316 SS	2200 psig at 400°F	
						Type 303 SS	1600 psig at 400°F	
						Brass	900 psig at 350°F	
					1-1/4"	Type 316 SS	1200 psig at 400°F	
						Type 303 SS	1200 psig at 400°F	
						Brass	1000 psig at 350°F	

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature.

Note 2: Valves not to be used as primary protection safety relief valves.

Note 3:
Type 316 SS = Stainless Steel ASTM A479-316
Type 303 SS = Stainless Steel A582-303 meeting the requirements specified in ASTM A473.
Brass = Brass ASTM B16 UNS C36000. In accordance with ASME B31.1 Table A-6 Note (8) Materials shall be tested to determine the presence of residual stresses that might result in failure of individual parts due to stress corrosion cracking. Tests shall be conducted in accordance with ASTM B154 or ASTM B858. The test frequency shall be as specified in ASTM B249.

Note 4: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the pressure-temperature ratings may be limited by the seat and seal materials. Please consult Circle Aerospace, Inc.

Note 5: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 6: In accordance with ASME B31.1 para. 123.1.2(D) when this product is manufactured from a ASME B31.1 unlisted material and used under he ASME B31.1 code the facility owner must accept the use of the following non listed materials.
- Stainless Steel ASTM A582-303 meeting the requirements specified in ASTM A473.

2020-02555
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0C22286.52
See acceptance letter for conditions of registration.
Date: 2020-05-19 By:
XING LIU, P. Eng.

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.

Temporary rules to address fitting design submissions without a properly executed statutory declaration.

The temporary rules have been issued in accordance with PRO-Corp-005 TPP5.07.

Issued: April 3, 2020	Document #DSP-TEMP-001 Revision Number: 0
Subject Rule	Statutory Declaration form AB-41 and Guidance for completion of Statutory Declaration AB-41a.
Reason for Modification	It is not possible to have a Commissioner of Oaths or a Notary Public to countersign the Statutory Declaration Form, AB-41, due to COVID-19 measures.
Technical Consequences	None, as this is an administrative requirement.
Modification	Temporary Design Survey accepts Statutory Declaration Forms that have not been signed by a Commissioner of Oaths or a Notary Public.
Rationale for Accepting the Modification	The requirement for the Statutory Declaration completion cannot be fulfil due to the COVID-19 restrictions.
Terms and Conditions	Temporary the fitting registration can be issued for designs with completed Statutory Declaration Forms that are not countersigned by a Commissioner of Oaths or a Notary Public. A copy of this temporary procedure shall be included in the ABSA record file. This modification is acceptable as long as the restrictions for COVID-19 measure are in force.

Prepared by:	Reviewed:	Approved by
T. Onshchenko	L. Petrusevski / P. Fok	M. Poehlmann