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November 17, 2017

James Ramirez, Quality Manager Regulatory Compliance
Circor Aerospace, Inc.
2301 Wardlow Circle
Corona, CA 92880

Subject: Renewal of ASME Certificate of Authorization 'UV' #47,926

Dear James Ramirez:

Enclosed is your Certificate of Authorization to apply the ASME Certification Mark to items, which you build in accordance with the ASME Boiler and Pressure Vessel Code. If this is a new issuance, the Certification Stamp is also enclosed. The purpose of the Certification Stamp is solely for application to items, which have been built in accordance with the Code, and the use of the certification mark in advertising is restricted.

Since a renewal notice will be mailed eight months prior to the expiration date shown on the enclosed Certificate and H (Cast Iron) and UM yearly renewals will be mailed six months prior to that date, to the individual and address shown above, it is important that we be informed of any changes. In any case, it is your responsibility that we receive renewal applications at least six months [four months in the case of H (Cast Iron) and UM] prior to the expiration of the enclosed Certificate.

If you make reference to the ASME Symbol in your advertising, it is required that you follow the "STATEMENT OF POLICY ON THE USE OF THE CERTIFICATION MARK AND CODE AUTHORIZATION IN ADVERTISING" which appears in the preliminary material in each Section of the ASME Boiler and Pressure Vessel Code.

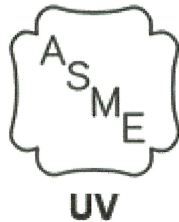
Very truly yours,

Janet Hill
Program Administrator
ASME Conformity Assessment Department
(212) 591-8581
hillj@asme.org

JH/TT-9845

cc: National Board/Thomas P. Beirne

Encl.



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Circor Aerospace, Inc.
2301 Wardlow Circle
Corona, California 92880**

SCOPE:

**Manufacture of pressure vessel pressure relief valves at the above location only
(This authorization does not cover welding or brazing)**

AUTHORIZED:

November 8, 2017

EXPIRES:

August 27, 2020

CERTIFICATE NUMBER:

47,926

A handwritten signature in black ink, appearing to read 'Richard R. Stevenson'.

Board Chair, Conformity Assessment

A handwritten signature in black ink, appearing to read 'Joseph J. Loefer'.

Managing Director, Conformity Assessment



Circor Aerospace, Inc. (CSC)

location: Corona, CA, UNITED STATES

Acceptable Abbrev.: Circle Seal

Devices designed by: Circor Aerospace, Inc. (CSC)

<i>Cert Cat</i>	<i>Device Type</i>	<i>NB Cert #</i>	<i>Type Classification</i>	<i>Code Section</i>	<i>Expiration Date</i>	<i>Page...</i>
M	D-500-2M	10001	Safety Relief Valve	VIII Div. 1	Apr 29, 2020	108
M	M5100-1M	10012	Safety Relief Valve	VIII Div. 1	Apr 29, 2020	108
M	M5100-2M & 3M	10023	Safety Relief Valve	VIII Div. 1	Apr 29, 2020	108
M	M5100-4M	10034	Safety Relief Valve	VIII Div. 1	Apr 29, 2020	109
M	M5100-6M & 8M 100 - 1200	10056	Safety Relief Valve	VIII Div. 1	Apr 29, 2020	109

Circor Aerospace, Inc. (CSC)

NB#: 10001

Location: 2301 Wardlow Circle, Corona, CA 92880 United States

Acceptable Abbrev.: Circle Seal

Circor Aerospace, Inc. (CSC)

Location: 2301 Wardlow Circle, Corona, CA 92880 United States

Acceptable Abbrev.: Circle Seal

Certification Number: **10001** Design Series or catalog number: **D-500-2M**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at Phillips Petroleum on November 16, 1966

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: .359 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.25 NPS		0.059 sq in	0.275 in	0.069 in	15 - 150 psi	Air	VIII

Certification Number: **10012** Design Series or catalog number: **M5100-1M**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at Phillips Petroleum on November 06, 1966

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: .286 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.125 NPS		0.049 sq in	0.25 in	0.06 in	100 - 1200 psi	Air	VIII

Certification Number: **10023** Design Series or catalog number: **M5100-2M & 3M**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at Phillips Petroleum on November 16, 1966

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: .667 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.25 - 0.375 NPS		0.1 sq in	0.358 in	0.08 in	15 - 1200 psi	Air	VIII

Circor Aerospace, Inc. (CSC)

NB#: 10034

Location: 2301 Wardlow Circle, Corona, CA 92880 United States

Acceptable Abbrev.: Circle Seal

Certification Number: **10034** Design Series or catalog number: **M5100-4M**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at Phillips Petroleum on November 16, 1966

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 1.310 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.5 NPS		0.209 sq in	0.516 in	0.1 in	15 - 1200 psi	Air	VIII

Certification Number: **10056** Design Series or catalog number: **M5100-6M & 8M 100 - 1200**

Type Classification: Safety Relief Valve

Capacity Tests: Sec. VIII Div. 1 at Phillips Petroleum on November 16, 1966

Method of Establishing Relieving Capacity: Flow Capacity, Slope

Certified Value: 3.453 SCFM/PSIA

Test Medium: Gas

Certified Medium: Air/Gas

Set Pressure Definition: Pop

Blowdown: Fixed

Scope of Nominal Size and Set Pressure Ranges:

Inlet Size	Outlet Size	Flow Area	Orifice [designator] diameter	Lift	Set Pressure Range	Media	Code Section
0.75 - 1 NPS		0.428 sq in	0.738 in	0.25 in	100 - 1200 psi	Air	VIII