

# EU DESIGN EXAMINATION CERTIFICATE

Certificate No.:  
C595796

Initial date:  
05 November, 2023

This certificate consists of 4 pages

This is to certify that the design of products manufactured by:

## **ANGI Energy Systems LLC**

305 W. Delavan Drive, Janesville, WI 53546 - USA

have been assessed with respect to the conformity assessment procedure described in:

### **ANNEX III MODULE H1 OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT**

and found to comply with the requirements in Annex I – Essential Safety Requirements of the Directive.

This certificate is valid for the following scope:

Type of Pressure Equipment	<b>Assembly</b>
Product Name	<b>Natural Gas Compressor</b>
Product Version	<b>NG-300</b>

Place and date:  
**Vimercate, 05 November, 2023**

Check Validity



SGQ N° 003 A  
SGA N° 003 D  
SGE N° 007 M  
SCR N° 004 F

EMAS N° 009 P  
PRD N° 003 B  
PRS N° 094 C  
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISP, GHG, LAB e LAT, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP

For the issuing office:  
**Notified Body 0496, Italy**  
**DNV Business Assurance Italy S.r.l.**



**Maurizio Bellina**  
Management Representative

### Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016.

### Certificate history:

Revision	Description	Issue Date
00	Original certificate	05 November, 2023

### Products covered by this Certificate:

Product name	Product version	Max Interstage Pressure (Barg)	Max Discharge Pressure (Barg)	Design temperature (°C)	PED Category	Product standard
<b>NG-300</b>	4-STAGE	14 to 44 (1st) 34 to 176 (2nd) 172 to 276 (3rd) 359 (4th)	359	-29 to 41 (ambient)	IV	NFPA 52 and ASME B31.3 2022

### Design Data: Sub-Assembly

Description	Type or name	Design Pressure (Barg)	Size (Volume L or DN mm)	Design Temperature (C)	Fluid Group & State	PED
<b>Filters</b>	F1	19	35	-29 to 50 (F1) and -9 to 204 (F3 to 7)	1/ Gas	III
	F3 and F4	100	2.4			
	F5	200	1.25			
	F6	359	0.27			
	F7	359	1.3			
<b>Pulsation Bottles</b>	PB 1	19	22	-29 to 65	1/ Gas	III
	PB2	359	2.5	-29 to 177		III
	1 <sup>st</sup> stage	41	8.6	-29 to 177	1/ Gas	III

<b>Heat Exchangers</b>	2 <sup>nd</sup> stage	124	7.0			III
	3 <sup>rd</sup> stage	176	7.5			IV
	4 <sup>th</sup> stage	359	6.4			
<b>Tank</b>	PV1	58 to 152	352 and 368	-29 to 233°C	1/ Gas	IV
<b>Piping and pressure accessories</b>	See assembly matrix for details	2 to 359	DN 8 to DN 100	Multiple	1/ Gas	SEP, I & II

### Documents reviewed:

Drawing/ Document No.	Rev.	Date	Title	(A, FI)
A19-10-50838	A	May 16 2022	General Layout- NG 300 Simplex Europe	A
A19-10-50838-01	A	May 16 2022	General Layout- NG 300 Simplex Europe- ATEX components	FI
A05-20-50838	D	28 Sep 2019	2 Throw, 4 Stage Compressor Piping and Instrumentation Piping System	A
F19-20-001	B	20 Jan 2022	Final Filter Assy- Europe, ½" NPT, ¼" Drain	A
B01-50-374	C	07 Dec 2022	Wldmt-Inlet Piping 3" CL 150	A
B01-50-375	D	07 Dec 2022	Wldmt-Inlet Piping 3" CL 150	FI
B01-60-497	C	07 Dec 2022	Wldmt- Interstage Piping Discharge 2" SCH 80 6 CL 300 x CD61	FI
B01-60-503	C	07 Dec 2022	Wldmt- Interstage Piping Suct 2" SCH 80 6 CL 600/Tee/45DEG/CD61	FI
B01-60-504	C	07 Dec 2022	Wldmt- Interstage Piping Suct 2" SCH 80 CD61/CD61	FI
B02-17-023	E	29 Nov 2022	Pulsation Bottle-SGL Suct CL 600 x CL 150 For tall Filter	FI
B02-88-024	B	22 Nov 2022	Pulsation Bottle-Final Disch Single 90 CU-IN 2 MTG Holes (Europe)	A
Assembly ESR	A	15 Sep 2023	Assembly ESR	A
Manual	-	April 2024	Installation and Maintenance Manual	FI
791-07928	A	12 Sep 2022	Decal- Serial NG300 EU Alum, Printed At ANGI On Phoneix	A
D. of C.	-	-	EU Declaration of Conformity- Assembly	A
00538-2020 FMECA	A	11 Sep 2023	Failure Mode Effects-Cause Analysis	A
Piping ESR	A	11 Sep 2023	Piping ESR calculations	FI

\*) A=Approved, FI=For information

### **Applications/limitations**

- Compressor block exempt from PED under article 1 paragraph (j) (ii).
- Fluid used in the application; Sweet Dry Natural Gas
- Follow Product Nameplate and Installation, Operation and Maintenance manual for operation temperatures for complete assembly package.
- PMAs approved for the following materials: A106 Grade B, A105, A108- Grade 1018, A234 Grade WPB, A269 Grade TP 316

### **Terms and conditions**

This certificate does not give the manufacturer the right to CE mark and put on the market the product(s) listed on this certificate. The product(s) must be manufactured under a Full Product Quality Management System according to Module H1, in order to allow the manufacturer to draw up an EU declaration of conformity and legally affix the CE mark followed by the Notified Body identification number (0496) of DNV Business Assurance Italy S.r.l.

Other valid terms and conditions are found in the DNV's PED Certification Requirements.

End of Certificate