

**VINÇOTTE nv**

Registered office : Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium

VAT BE 0462.513.222 • RPM/RPR Brussels • BNP Paribas Fortis: BE24 2100 4113 6338 • BIC: GEBABEBB

Noordersingel 23 • 2140 Antwerpen • Belgium • phone: +32 3 221 86 11 • antwerpen@vincotte.be

**016-INSP**

Contact : SACHA WESTERLINCK, Equipment Assessment / Pressure & Welding

• Our References

Report N° : ANT/33/61100025/00/EN/000

Contract ref. : 2230919/32000

• Your References

Ref. : AMN830740/27.06.2022

• Intervention data

Place : Vincotte Office; Antwerp

Date : 02/08/2022

Performed by : SACHA WESTERLINCK

Deprest nv
Frank Van Dyckelaan, 24
9140 Temse
Belgium

EXAMINATION OF THE TECHNICAL FILE

Technical documentation of a pressure equipment

Description : Design review of pressure vessel ref. 322283-001.

1. GENERAL INFORMATION

Type of apparatus : pressure vessel
End user : Somati Systems
Manufacturer : Deprest
Manufacturing no. : 19956-6682
Serial no. : 322283
Conformity assessment procedure(s) : required by the manufacturer : G
Risk category : IV

2. INSPECTION DETAILS

See following pages.

CONCLUSION

The technical documentation has been approved taking into account the conditions stated in the documents mentioned hereafter.

This report is only a partial report on compliance with the Pressure Equipment Directive 2014/68/EU.



The corrective actions resulting from the comments made here have to be assessed prior to drawing up the final assessment report according the selected assessment procedure.

This report has to be submitted for a verification by the notified body's inspector in charge of the final assessment.

Date of issue : 02/08/2022

Number of pages : 4

Enclosure(s) :

Distribution : or.
cc.
 Ing. WESTERLINCK Sacha, IWE
Lead Contract Engineer
Discrete Manufacturing & Logistics

3. DOCUMENTS SUBMITTED

See list in annex 1.

4. TECHNICAL INFORMATION

Chamber		322283
Regulation		PED 2014/68/EU
Code		EN 13445
Type of product		2 / gas
Max. allowable pressure PS	bar g	0 / 16,0
Design pressure	bar g	16,0
Max. allowable temp. TS	°C	50
Min. allowable temp. TS	°C	0
Design temperature	°C	50
Capacity	Volume (l)	26.313
Test pressure	bar g	22,9
Corrosion allowance	mm	0
Joint efficiency		0.85 (vessel) // 1 (head)

5. ASSESSMENT OF THE TECHNICAL DOCUMENTATION

Materials

The materials as mentioned on the drawing(s) and in the material list are acceptable if the material manufacturer applies a quality system for materials, certified by a competent body established within the European Community.

Drawings

The drawings are in accordance with the design and construction standard featured in § 4 with regard to the choice of materials, the thickness of the pressure retaining parts (including welds), the weld configurations and the manufacturing procedures.

Calculations

The wall thickness of the pressure retaining parts is consistent with the design data as referred to in §4.

Welding and other manufacturing procedures

The welding procedure specification(s) (WPS) and the welding procedure qualification records (PQR) have been accepted and approved by us.

The welders and welding operator performance qualifications (WPQ) for all welders and welding operators must be submitted to the notified body's representative in charge of the assessment of the manufacturing activities.

Non-destructive testing

The personnel performing non-destructive tests on welds for category III and IV equipment must be approved by a notified body or by a recognized third party.

Under the G assessment procedure the non-destructive testing procedures must be approved. The evidence of such an approval must be submitted to the notified body.

The non-destructive testing program mentioned in the technical documentation is compliant with the requirements of the construction code as referred to in § 4.

Mechanical tests

The mechanical tests provided for in the technical documentation are compliant with the requirements of the construction code referred to in §4.

Inspection program

The inspection program is acceptable for the type and the extent of the non-destructive testing required by the design and construction standard and by the essential requirements of the Directive.

User manual

The user manual is included in the technical documentation and is compliant with § 3.4 of the essential requirements of the Directive, particularly in the case of mentioning the residual risks specific to the foreseeable use.

- Volume in user manual mention "2022" (as-build)

Risk analysis

The hazard analysis is included in the technical documentation and has been assessed as satisfactorily complying with Directive 2014/68/EU during the verification of the design.

Other

Application for assessment

The confirmation that the manufacturer did not make the same application for an assessment to another notified body is available.

Reaction loads

The pressure equipment is not subject to reaction forces and/or moments resulting from the connections, supports or anchorages.

Fatigue

The pressure equipment is not subject to cyclic loads that can generate fatigue.

Supports

Drawings and calculations justifying in the design of the support are included in the technical documentation and have compliant with the design information.

ANNEX 1: LIST OF RELEVANT PARTS OF THE TECHNICAL DOCUMENTATION

<u>DESCRIPTION</u>	<u>REFERENCE</u>	<u>REV. No</u>	<u>DATE</u>
Hazard analysis	R 322283	0	23/06/2022
Drawings	19956 19957 19958	C C C	23/06/2022 23/06/2022 23/06/2022
Calculations	B 322283	0	23/06/2022
Confirmation of the single appointment of the Notified Body	Available PO AMN830740	-	27/06/2022
Welding procedures	WDB 322283	0	-
User manual	H 322283	-	23/06/2022
Documentation related to the production weld test coupons			
Inspection and test plan	ITP 322283	0	23/06/2022