



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

Application of the Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment,
as amended, and Warenwetbesluit Drukapparatuur(NL)

CERTIFICATE NO. 08-PED-ROT-B-08.4350-01 REV.4 (EN)

This certificate consists of front page and Appendix 1 through 10

This is to certify that the design of the equipment
Shot blast vessel assemblies

with designation(s)
SEE APPENDICES

Designed by
Griteco Equipment B.V.
RIDDERKERK

is found to comply with
the requirements in Annex I - Essential Safety Requirements of the Directive and
AD 2000 Merkblätter for pressure vessels

*The design of the equipment as specified in the Appendix has been examined with respect to the procedure of
conformity assessment as described in **Module B** of the Directive.*

Design conditions:

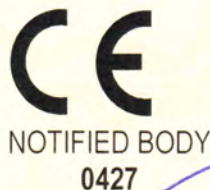
Equipment category	through	III	Volume		
Design press. P_S min/max		10	barg	Corrosion allowance	1 mm
Design temp. T_S min/max	+5	+50	°C	Fluid (Group)	air/grit (2)
Testpressure	function	10	barg		

Further details of the product and conditions for the certification are given in the appendix. 1 through 10

Place and date

Barendrecht, 2011-10-05

for DET NORSKE VERITAS B.V. - PCNL



This Certificate is valid until

2018-11-10

Chr. van den Berg
Technical Manager

R-J Kaagman
Surveyor/Assessor

*Notice: The certificate is subject to terms and condition, if any, in the appendix. Any significant changes in design or construction of the product referenced above may
render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with the Council Directive, as amended.*

Appendix 1, Rev. 4

Products

Shot blast vessel assembly models according appendix 3

- Body 200 liter
- Body 140 liter
- Body 100 liter
- Body 60 liter
- Body 40 liter
- Body 18 liter

Type Examination documentation

Design Verification Report ROT 08.4350.07 rev. 3

Arrangement-/ layout drawings	rev.	title
2-08037	3	Type overzicht Straalketels – Rompen en appendages
2-08038	2	Type overzicht Straalketels – Lucht arrangement
2-08039	0	Type overzicht Straalketels – Doseer arrangement

Attended prototypes for certification

- At 25th and 26th of August 2008
- S/N 51463 (MM60-A/PC 3s (60l))
- S/N 50339 (BM-18-EXC RFT (18l))

Applicable inspectionplan

Inspection	Document
Integration of assembly check	According approved drawings
Visual inspection	According approved drawings
Certification check	Declaration of Conformity pressure vessel and safety accesory (incl. setting protocol)
Functional test	According testprotocol “Straalketels” at 10 barg air, reporting at “Werkplaatsformulier Straalketels”
Markering	Nameplate and delivering Declaration of Conformity

Comments

1. By virtue of the Dutch General Administrative Law “Algemene wet bestuursrecht (Awb)” interested parties may issue an objection to this decision. The period for application of an objection shall be within six weeks after publishing the decision and shall be applied at Det Norske Veritas B.V. - PCNL In the objection it shall be motivated why the made decision is not correct. We request you to add a copy of the disputed decision and other documents to the objection.
2. The allowable PED modules for fabrication are B+C1, B+F, B+E and B+D

Place and date

Barendrecht, 2011-10-05

for DET NORSKE VERITAS B.V. - PCNL

 R-J Kaagman
 Surveyor

Appendix 2, Rev. 4

List of appendices

Appendix 3	issue 19-09-2011	Straalketel samenstel modellen met arrangement combinaties
Appendix 4	2-08037, rev. 3	Type overzicht straalketels
Appendix 5	2-08038, rev. 2	Type overzicht straalketels
Appendix 6	2-08039, rev. 0	Type overzicht straalketels
Appendix 7	3-08015 ÷ 3-08036, 3-08040 ÷ 3-08049, 3-08090, 3-08100, 4-09067	Pneumatiek diagrammen
Appendix 8	3-08015 ÷ 3-08036, 3-08040 ÷ 3-08049, 3-08090, 3-08100, 4-09067	Stuklijsten
Appendix 9	issue 2011/03	Testprotocol straalketels / Werkplaatsformulier
Appendix 10	issue 01 maart 2011	Classificatielijst onderdelen, volgens PED 97/23/EG

Place and date

Barendrecht, 2011-10-05

for DET NORSKE VERITAS B.V. - PCNL

R-J Kaagman
Surveyor

