



DET NORSKE VERITAS

Report
Oxygen shock testing of pressure
regulator "GA" for oxygen,
part No. GA-300K02

Gassarmatur AS

Report No./DNV Reg No.: 2010-3482/ 12T7LN4-2
Rev 00, 2010-11-10

Oxygen shock testing of pressure regulator "GA" for oxygen, part No. GA-300K02	DET NORSKE VERITAS AS P.O.Box 300 1322 Høvik, Norway Tel: +47 67 57 99 00 Fax: +47 67 57 99 11 http://www.dnv.com Org. No: NO 945 748 931 MVA
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Date of First Issue:	2010-11-10	Project No.:	EP031108
Report No.:	2010-3482	Organisation Unit:	Materials Laboratory
Revision No.:	00	Subject Group:	

Summary:

DNV was contracted by Gassarmatur AS to test pressure regulator "GA" for oxygen, Part No. GA-300K02 for resistance to ignition (oxygen shock test).

Three samples of pressure regulator were exposed, through their inlets, to pressure shocks from industrial oxygen.

The testing was performed according to ISO 2503:2009 standard, clause 9.7.4 Ignition test for pressure regulators and pressure regulators with flow-metering devices for oxygen.

The test pressure was 360 bars. All three regulators passed the test.

The test was carried out in Det Norske Veritas Laboratory at Høvik, Norway, 2010-09-14.

Prepared by:	Name and Position Ekaterina Shirokova Engineer	Signature 
Verified by:	Name and Position Odd Sund Principal Engineer	Signature 
Approved by: 	Name and Position Rikard Törnqvist Head of Section	Signature 

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DET NORSKE VERITAS

Report
Oxygen shock testing of pressure
regulator "GA" for manifold system,
Part No. GA-300K52

Gassarmatur AS

Report No./DNV Reg No.: 2010-3481/ 12T7LN4-1
Rev 00, 2010-11-07



Oxygen shock testing of pressure regulator "GA" for manifold system, Part No. GA-300K52	DET NORSKE VERITAS AS P.O.Box 300 1322 Høvik, Norway Tel: +47 67 57 99 00 Fax: +47 67 57 99 11 http://www.dnv.com Org. No: NO 945 748 931 MVA
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Date of First Issue:	2010-11-07	Project No.:	EP031108
Report No.:	2010-3481	Organisation Unit:	Materials Laboratory
Revision No.:	00	Subject Group:	

Summary:

DNV was contracted by Gassarmatur AS to test pressure regulator "GA" for manifold system, Part No. GA-300K52 for resistance to ignition (oxygen shock test).

Three samples of pressure regulator were exposed, through their inlets, to pressure shocks from industrial oxygen.

The testing was performed according to ISO 7291:1999 standard "Gas welding equipment – Pressure regulators for manifold systems used in welding, cutting and allied processes up to 300 bar", Clause 5.9.3 Ignition test (Oxygen pressure regulators).

The test pressure was 360 bars. All three regulators passed the test.

The test was carried out in Det Norske Veritas Laboratory at Høvik, Norway, 2010-09-15.

Prepared by:	<i>Name and Position</i> Ekaterina Shirokova Engineer	<i>Signature</i>
Verified by:	<i>Name and Position</i> Odd Sund Principal Engineer	<i>Signature</i>
Approved by:	<i>Name and Position</i> Rikard Törnqvist Head of Section	<i>Signature</i>

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