



DET NORSKE VERITAS

FULL PRODUCT QUALITY MANAGEMENT CERTIFICATE - EC

Certificate No. 91332-2011-CE-IND-DNV Rev. 0.0
This Certificate consists of 4 pages

This is to certify that the Quality Management System of

Rotex Automation Limited

987/11 & 12, GIDC, Makarpura, Vadodara – 390 010, Gujarat, India

for design, production and final product inspection/testing of

Pressure Accessory Valves

has been assessed with respect to

the conformity assessment procedure described in Annex III (Module H) of Council Directive 97/23/EC on Pressure Equipment, as amended, and found to comply

Further details are given overleaf

Place and date:
Høvik, 2011-07-07

This Certificate is valid until:
2014-07-07

for DET NORSKE VERITAS AS



Marianne Spæren
Certification Manager, NACNO378

Notified Body No.:
0575

Kannan Parthasarathy
Technical Reviewer

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction may render this certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300,000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: 91332-2011-CE-IND-DNV
 Rev. No.: 0.0
 Project No.: PRJC-36080-2007-PRC-IND

Jurisdiction

Application of Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment, adopted as regulation of 1999-06-09 no. 721 "Forskrift for Trykkpåkjent Utstyr" by the Norwegian Directorate of Civil Protection and Emergency Planning and by the Petroleum Safety Authority Norway.

Certificate history

Revision	Description	Issue Date
-	Original Certificate no. PED-H-125	2007-10-23
0.0	Recertification and Scope Extension	2011-07-07

Products covered by this Certificate

Sl. No.	Product Name	Model/ Type	Orifice Size (DN)	Max. Pressure (bar) at ambient temperature
1	2/2 Internal Pilot Operated Valve	21103, 21104, 21203 & 21204	40	5 to 40
		21103, 21104, 21203 & 21204	50	7 to 70
2	3/2 Internal Pilot Operated Valve	31121 & 31206	32, 40 & 50	5 to 40
		31122 & 31207	32, 40 & 50	7 to 70
3	3/2 Internal Pilot Operated Double Solenoid Valve	37103	32, 40 & 50	5 to 40
		37104	32, 40 & 50	7 to 70
4	3/2 External Pilot Operated Valve	32103 & 32203	32, 40 & 50	0 to 40
		32104 & 32204	32, 40 & 50	0 to 70
5	3/2 Air Operated Valve	33101 & 33201	32, 40 & 50	0 to 40
		33102 & 33202	32, 40 & 50	0 to 70
6	5/2 Internal Pilot Operated Valve	51434	32, 40 & 50	5 to 40
		51435	32, 40 & 50	7 to 70
7	5/2 External Pilot Operated Valve	52406	32, 40 & 50	0 to 40
		52407	32, 40 & 50	0 to 70
8	5/2 Air Operated Valve	53402	32, 40 & 50	0 to 40
		53403	32, 40 & 50	0 to 70
9	5/2 Internal Pilot Operated Double Solenoid Valve	57406	32, 40 & 50	5 to 40
		57407	32, 40 & 50	7 to 40



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Sl. No.	Product Name	Model/ Type	Orifice Size (DN)	Max. Pressure (bar) at ambient temperature
10	5/3 Center Exhausted Valve	51418	32, 40 & 50	5 to 40
		51419	32, 40 & 50	7 to 70
11	5/3 Center Pressurised Valve	51422	32, 40 & 50	5 to 40
		51423	32, 40 & 50	7 to 70
12	2/2 Angle Seated Valve	32063	32	0 to 24.5
		32090	32	0 to 24.5
		40063	40	0 to 19.6
		40090	40	0 to 19.6
		40110	40	0 to 19.6
		50063	50	0 to 24.5
		50090	50	0 to 24.5
		50110	50	0 to 24.5
		65090	65	0 to 16
		65110	65	0 to 25
		80110	80	0 to 15

Applied Standards

EN 12516 – 1 & 2, EN 12266 – 1 & 2, ASME B16.10, ASME B16.5, ANSI/ ASME B1.20.1, ISO 228/1, ISO 7/1, ISO 2852.

Sites covered by this Certificate

Site Name	Address
Rotex Automation Limited	987/11 & 12, GIDC, Makarpura, Vadodara – 390 010, Gujarat, India

Performed Audits

DNV has carried out the Assessment of the Manufacturers Quality System to verify that the relevant requirements relating to the above listed products have been implemented

Assessment has been carried out on the production sites by DNV Chennai, as described in Audit Report from re-certification audit held 2010-10-13 & 2011-01-04.



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Applications/Limitations

- Intended for Group 1 and 2 fluids. Pressure Equipment Category I to II.
- Pressure equipment complying with Article 3, Para 3 shall not bear CE marking according to Pressure Equipment Directive.
- All electrical and bought-out components used shall be in compliance with applicable EU Directive(s).

Particular Material Appraisal for Pressurized Parts

The materials listed below have been subject to Particular Material Appraisal as required by PED, Annex I, Sec. 4.2b. This Particular Material Appraisal covers materials for components to equipment described in this certificate.

Sl. No.	Standard	Grade	Revision
1	ASME SA 182	F316	3
2	ASME SA 182	F304	2
3	ASME SA 276	304	1
4	ASME SA 276	316	2
5	ASME SA 351	CF8	1
6	ASME SA 351	CF8M	3
7	ASTM A 351	CF3M	0

Terms and conditions

The certificate is subject to the following terms and conditions:

- In case of damages caused by defective products, directive 85/374/EEC, as amended, will apply.
- The certificate is only valid for the products and/or manufacturing premises listed above.
- The Manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient.
- The Manufacturer shall inform the local DNV Office of any intended updating of the quality system and DNV will assess the changes and decide if the certificate remains valid.
- Periodical audits will be held, in order to verify that the Manufacturer maintains and applies the quality system DNV reserves the right, on a spot basis or based on suspicion, to pay unannounced visits.

The following may render this Certificate invalid:

- Changes in the quality system affecting production.
- Periodical audits not held within the allowed time window.

Conformity declaration and marking of product

When meeting with the terms and conditions above, the producer may draw up an EC declaration of conformity and legally affix the CE mark followed by the Notified Body identification number of DNV 0575.

END OF CERTIFICATE