




DET NORSKE VERITAS

TYPE EXAMINATION CERTIFICATE

- [2] EQUIPMENT INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC
- [3] Type Examination Certificate Number: **DNV 11 ATEX 95169X**
- [4] Equipment: **Vacuum Blast Equipment**
- [5] Applicant – Manufacturer or Authorized representative: **Pinovo AS**
- [6] Address: **Bekkjarviksundet 1
NO - 5397 Bekkjarvik
Norway**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV certifies that this equipment has been found to comply with the Essential Health and Safety requirements that relate to the design of Category 2 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential reports listed in section 14.
- [9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:
EN 13463-1: 2009 and EN 13463-5: 2003
- [10] If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- [11] This TYPE EXAMINATION CERTIFICATE relates only to the design, examinations and tests of the specified equipment. If applicable, further requirements of this Directive may apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- [12] The marking of the equipment shall include the following:

 **II 2 Gc IIA T4** **+2°C ≤ Ta ≤ +50°C**

Høvik, 2011-04-04
for Det Norske Veritas AS


Marianne Spæren
Certification Manager



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change 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.



[13]

Schedule

[14] **TYPE EXAMINATION CERTIFICATE No.:** DNV 11 ATEX 95169X

Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2011-3158	2011-04-04

[15] **Description of Equipment:**

Dust free blast machine designed for the surface treatment of pipes with that is fully pneumatic system with no electrical parts. The machine consists of a portable frame on which the blast pot with pre-separator and vacuum source are mounted. Also included are a moisture separator, pressure regulator and pneumatic deadmans control.

Type Identification Blast Machines

Pisys-S-100 (picolo)
Pisys-S-1000

Type Identification Blasting Heads

PiBlaster
PicoPipe
PicoMidi
PiWalk

[16] **Project No:** PRJC-299737-2011-PRC-NOR

Descriptive documents

Number	Title	Rev.	Date
91H.11.016	ATEX System General Arrangement	00	2011-03-30
91.H.11.001	PiSys 1000 Atex, installation procedure	38 pages 00	2011-04-01
91.H.11.002	Pinovo as ATEX, Parts List: PiSys 1000	3 pages 00	2011-03-31
91.H.11.003	Pinovo Atex Grit Blasting Systems PiAtex Installatin procedure for PiSys 100	31 pages 00	2011-04-01
91.H.11.004	Pinovo as ATEX, Parts List: PiSys 100	3 pages 00	2011-03-31

[17] **Special conditions for safe use**

- Only to be used by trained personnel.
- Maximum work pressure of 6 bar where blast media and compressed air are mixed together.
- The equipment must be properly earthed/grounded before use.
- The equipment shall only be used with blasting grits \leq NK 12.

[18] **Essential Health and Safety Requirements**

See part 9 of this certificate

END OF CERTIFICATE

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.