



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx DNV 11.0020 Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2015-03-13\)](#)
Date of Issue: **2015-03-13** [Issue No. 0 \(2012-02-10\)](#)

Applicant: **MISTRAS Group Inc.**
195 Clarksville Road, Princeton Junction
NJ, USA- 08550
United States of America

Electrical Apparatus: **Valve Leak Monitor; VPAC II**
Optional accessory:

Type of Protection: **Intrinsically safe**

Marking: Ex ia IIC T3 Gb -20 °C ≤ Ta ≤ 55 °C

*Approved for issue on behalf of the IECEx
Certification Body:*

Bjørn Spongsveen

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

DNV
Det Norske Veritas AS
Veritasveien 1
1322 Hovik
Norway





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Manufacturer: **MISTRAS Group Inc.**
195 Clarksville Road, Princeton Junction
NJ, USA- 08550
United States of America

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[NO/DNV/ExTR11.0021/02](#) [NO/DNV/ExTR11.0021/03](#)

Quality Assessment Report:

[GB/SIR/QAR08.0008/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Model VPACII Portable Leak Detector is designed to monitor leak associated acoustic emission signal level by measuring the RMS (dB) value of those signals. The circuitry of the detector is powered by four AA size Ni -Cad batteries that are encapsulated and contained within the housing. The unit consists of one printed circuit board. The pcb interfaces with six membrane keys along with a liquid crystal display for facilitate dataentry and acquisition. The VPACII may be used with sensors D9203 IS, D9241 IS or VS9203-IS.

Type Identification:

VPAC II

Electrical Data

U=4.8V, I=15 mA

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Updated standards references to current editions.