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 KEM 09.0047X

Issue No: 2

Certificate history:
Issue No. 2 (2019-01-08)
Issue No. 1 (2012-11-05)
Issue No. 0 (2009-08-07)

Status: **Current**

Date of Issue: **2019-01-08**

Applicant: **Friedrich Schwingtechnik GmbH**
Am Höfgen 24
42761 Haan
Germany

Equipment: **Shaker motors Types ADP, BDP, CDP, DDP, EDP, FDP and GDP**

Optional accessory:

Type of Protection: **Ex d and Ex tb**

Marking:

Ex d IIB T4 Gb
Ex tb IIIC IP66 T120 °C Db

Approved for issue on behalf of the IECEx Certification Body: R. Schuller

Position: Certification Manager

Signature:
(for printed version)

Date: 2018-01-08

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
The Netherlands

DEKRA

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Manufacturer:	**Friedrich Schwingtechnik GmbH** Am Höfgen 24 42761 Haan **Germany**	

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 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 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 61241-1 : 2004 Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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:

NL/KEM/ExTR08.0040/00 NL/KEM/ExTR08.0040/01

Quality Assessment Report:

GB/FME/QAR18.0013/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Shaker Motors, Types ADP, BDP, CDP, DDP, EDP, FDP and GDP are asynchronous motors with a centrifugal counter-weight at both ends of the motor shaft to produce the shaker action.

Ambient temperature range -20 °C to +50°C.

Electrical data

Max. voltage	690 Vac, 50/60 Hz
Maximum rated output	ADP; 0,46 kW
	BDP: 0,46 kW
	CDP: 1,0 kW
	DDP: 1,7 kW
	EDP: 2,5 kW
	FDP: 3,3 kW
	GDP: 3,7 kW
Insulation class	F
Number of poles	2, 4, 6 or 8

SPECIFIC CONDITIONS OF USE: YES as shown below:

Service of internal cylindrical flameproof joints should be avoided. Contact the manufacturer if necessary.

Fasteners:
Shaker motors Type A.. and B.. : 6 bolts M8 class 90
Shaker motors Type C.. and D.. : 8 bolts M10 class 90
Shaker motors Type E.. to G.. : 8 bolts M12 class 10.2

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

Linked to new QAR.