



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 FTZU 17.0015 Issue No: 0 Certificate history:
Issue No. 0 (2017-07-03)

Status: **Current**

Date of Issue: 2017-07-03 Page 1 of 3

Applicant: Nederman Manufacturing Poland Sp. z o.o.
Okólna 45A
05-270 Mark
Poland

Equipment: Explosion Isolation Flap Valve type CARZ-N
Optional accessory:

Type of Protection: **Non-electrical equipment**

Marking:
Ex h IIIC T75°C Da/Dc

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of Certification Body

Signature:
(for printed version)


2017-07-03



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](http://www.iecex.com).

Certificate issued by:

Fyzikálně technický zkušební ústav
(Physical - Technical Testing Institute)
Přikartska 7, 71607 Ostrava - Radvanice
Czech Republic





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Date of Issue: 2017-07-03 Page 2 of 3
Manufacturer: Nederman Manufacturing Poland Sp. z o.o.
Okólna 45A
05-270 Marki
Poland

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:

ISO 80079-36 : 2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

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:

CZ/FTZU/ExTR17.0015/00

Quality Assessment Report:

CZ/FTZU/QAR17.0001/00





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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Explosion Isolation Flap Valve type CARZ-N is designed as an explosion resistant device. The equipment prevents transmission of the dangerous effects of a dust explosion, the pressure wave and flame, in one direction by separating volumes with potentially explosive atmosphere of industrial dusts.

Normal process airflow keeps the free moving Flap open. Flap closes tightly when airflow reverses due to dust explosion event. Locking mechanism keeps the flap staying closed long enough to avoid flame transmitting during explosion event. Explosion isolation is ensured also during periods without process flow. Re-opening requires operator engagement.

Ta = -20°C to +70°C

SPECIFIC CONDITIONS OF USE: NO

