



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 LCIE 17.0076X

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-12-14\)](#)

Status: **Current**

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Date of Issue: **2018-12-14**

Applicant: **TIGER-VAC INTERNATIONAL INC.**
2020 DAGENAIS BLVD. WEST
LAVAL, QUEBEC,
H7L 5W2
Canada

Equipment: **Pneumatic vacuum cleaner**

Optional accessory: *SS-xx (yy) or SSAT-xx (yy)*

Type of Protection: **Ex h**

Marking:
TIGER-VAC INTERNATIONAL INC.
Address : ...
Type : SS-xx (yy) or SSAT-xx (yy)
Serial number : ...
Year of construction : ...
Ex h IIC T6 Gb
Ex h IIIC T85°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

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:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **TIGER-VAC INTERNATIONAL INC.**
2020 DAGENAIS BLVD. WEST
LAVAL, QUEBEC,
H7L 5W2
Canada

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:

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:

[FR/LCIE/ExTR17.0095/00](#)

Quality Assessment Report:

[FR/LCI/QAR10.0008/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The apparatus is an industrial vacuum cleaner based on the Venturi effect. It includes neither electrical parts nor moving mechanical parts.

Two Venturi systems are available :

The Venturi system used in SS-xx (yy) series vacuum cleaners is assembled on the powerhead of the vacuum cleaner and is made of four different parts:

- A Blower Chamber
- An Air jet
- A Dome
- A housing

The Venturi system used in SSAT-xx (yy) series vacuum cleaners is more compact than the one used in SS-xx (yy) series vacuum cleaners.

It is assembled inside the vacuum cleaner and is made of three different parts:

- A Compressed Air Accelerator
- A Venturi Housing
- A Venturi Locker used to fix the Accelerator to the Housing

The nomenclature used is SS-xx yy and SSAT-xx (yy). The "xx" is a numerical value used to differentiate the model size and "yy" can be letters or numerals or a combination of numerals and letters denoting the type of carriage and/or filtration system.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The user must ensure that the grounding of the vacuum cleaner is carried out according to the manufacturer's instructions,
- The user must ensure that he only uses the accessories recommended by the manufacturer.

Annex:

[ANNEX 01 - IECEx LCIE17.0076X v00.pdf](#)



Annex 01 to Certificate IECEX LCIE 17.0076X issue 00



LCIE

FULL EQUIPMENT DESCRIPTION

The apparatus is an industrial vacuum cleaner based on the Venturi effect. It includes neither electrical parts nor moving mechanical parts.

MARKING

TIGER-VAC INTERNATIONAL INC.

Address : ...

Type : SS-xx (yy) or SSAT-xx (yy)

Serial number : ...

Year of construction : ...

Ex h IIC T6 Gb

Ex h IIIC T85°C Db

IECEX LCIE 17.0076X

RANGE DETAILS

Two Venturi systems are available :

The Venturi system used in SS-xx (yy) series vacuum cleaners is assembled on the powerhead of the vacuum cleaner and is made of four different parts:

- A Blower Chamber
- An Air jet
- A Dome
- A housing

The Venturi system used in SSAT-xx (yy) series vacuum cleaners is more compact than the one used in SS-xx (yy) series vacuum cleaners. It is assembled inside the vacuum cleaner and is made of three different parts:

- A Compressed Air Accelerator
- A Venturi Housing
- A Venturi Locker used to fix the Accelerator to the Housing

The nomenclature used is SS-xx yy and SSAT-xx (yy). The "xx" is a numerical value used to differentiate the model size and "yy" can be letters or numerals or a combination of numerals and letters denoting the type of carriage and/or filtration system.

FULL CONDITIONS OF CERTIFICATION

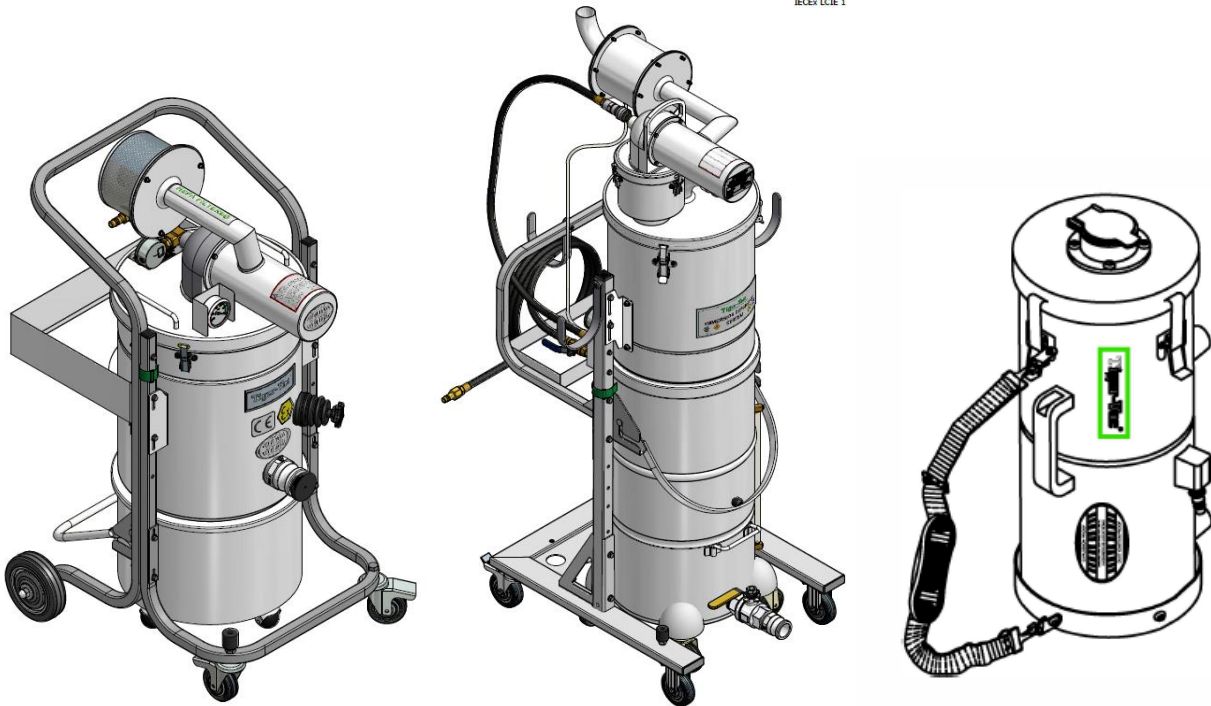
- The user must ensure that the grounding of the vacuum cleaner is carried out according to the manufacturer's instructions,
- The user must ensure that he only uses the accessories recommended by the manufacturer.

ROUTINE TESTS

None.

APPARATUS OVERVIEW

IECEx LCIE 1



- LEFT: a SS-20-35L model
- MIDDLE: a SS-IT 85L model
- RIGHT: SSAT-2L HH model

ADDITIONAL MANUFACTURING LOCATIONS

None.