



ATEX  CE  II 2 D
Ex h IIIC T85°C Db
For use in ATEX Zone 21 (Dust) potentially explosive atmospheres

Characteristics



Static Dissipating



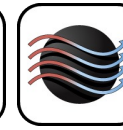
Cleanroom Compatible



Pharma Applications



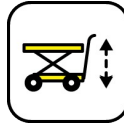
Corrosive Recovery



Activated Carbon



Wet Recovery



Hydrocart



Accessories Included



Wear Protective Clothing (PPE)



- Static dissipative and grounded.
- Designed for the Recovery of Acids and Corrosive Liquids
- Pneumatically (air) operated
- Available with a variety of activated carbon including KINA 3® activated carbon for the adsorption of Chloride and acid vapors (HF, HCL, etc). Other types of carbon available. Carbon cartridges must be ordered separately (not included).
- For liquid recovery
- Static dissipative acid-resistant polyethylene, nylon and PVC.
- Available with a 4-wheel dolly, tilting cart or hydro-cart
- 4-wheel dolly and tilting cart available in stainless steel
- Includes a complete static dissipative tool kit

Specifications

SS-ARU-15 EX (HY-C) MRAC	111436
Model Name	SS-ARU-15 EX (HY-C) MRAC
Type (Powerhead)	Pneumatic
Venturi	Single
Venturi (diam.)	6 mm
Minimum Compressor	15 HP
Air Line Size (Diam.)	1/2" (12.7mm)
Input Air Volume	21.2 L/s
Input Air Pressure	5.5 Bar
Air Flow	187 m ³ /h
Vacuum Pressure	4320 mm H ₂ O
Suction Inlet	38 mm
Cart Type	Hydro Cart (HYC)
Filter Cleaning	None
Wet Recovery Capacity	47.3 L

Please note that specifications are subject to change without notice

Use only recommended tools & accessories



HEPA Filter - Included



ARU EX Tools and Accessories - Included



Liquid Filter - Included



Activated Carbon Cartridge - Optional

European Headquarters

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Email: sales@tiger-vac.com



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Ex h IIC T85°C Db
For use in ATEX Zone 21 (Dust) potentially explosive atmospheres



Static Dissipating



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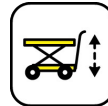
Corrosive Recovery



Activated Carbon



Wet Recovery



Hydrocart



Accessories Included



Wear Protective Clothing (PPE)

Specifications for SS-ARU-15 EX (HY-C) MRAC

Name	Part Number	Air Flow	Vacuum Pressure
SS-ARU-15 EX (HY-C) MRAC	111436	187 m ³ /h	4320 mm H ₂ O
Description: Specifications may vary depending upon performance of the compressor.			

Please note that specifications are subject to change without notice

Technical Sheet for SS-ARU-15 EX (HY-C) MRAC

HEPA FILTER AND ACCESSORIES - Included

Part #	Description
211027B	HEPA FILTER 99.995% EFFICIENCY ON 0.3 MICRON (CE VERSION)

FILTERS AND ACCESSORIES - Included

Part #	Description
211749	LIQUID FILTER ASSEMBLY

ACTIVATED CARBON CARTRIDGE - Optional

Part #	Description
212200B	CARBON CARTRIDGE ASSEMBLY WITH 3mm CARBON (REGULAR)
212200C	CARBON CARTRIDGE ASSEMBLY WITH 3mm MERSORB ACTIVATED CARBON (FOR MERCURY VAPORS)
212200K	CARBON CARTRIDGE ASSEMBLY WITH 3mm KOGC3/KINA3 CARBON (FOR CHLORIDE VAPORS)
212200L	CARBON CARTRIDGE ASSEMBLY WITH 3mm A-3 CARBON (FOR ARSINE AND PHOSPHINE VAPORS)

FLANGED RING ASSEMBLY WITH GASKET FOR MIDDLE RING. (Required when Activated Carbon Cartridge is not used) - Optional

Part #	Description
213673	FLANGED RING ASSEMBLY w/GASKET FOR 10/15/25 GALLON MODELS

TOOLS AND ACCESSORIES - Included

Part #	Description
211030	AIR SUPPLY HOSE ASSEMBLY SD* 0.5"(12.7mm) x 50'(15m) w/1 MALE QUICK DISC. & 1 FEMALE QUICK DISC.
383447	SUCTION HOSE ASSEMBLY Ø1.5"(38mm)x10' FOR ARU-xx EX, STATIC CONDUCTIVE CRUSHPROOF w/GROUND WIRE
381092	DRAIN HOSE ASSEMBLY 0.75"(19mm)x5'(1.5m) CLEAR HOSE WITH 0.75"(19mm) PVC FEMALE CAMLOCK
323336	WAND ASSEMBLY, SINGLE BEND, CONDUCTIVE BLACK POLY
381353B	CREVICE NOZZLE FOR ARU 36"(91cm) LONG -CONDUCTIVE POLY
381354B	CREVICE NOZZLE FOR ARU 12"(30.5cm) LONG -CONDUCTIVE POLY
323317A	UTILITY FLOOR TOOL, 1.25"(Ø32mm) x 12"(30cm), STATIC CONDUCTIVE PLASTIC w/GREY SQUEEGEE BLADES
211065B	MULTIMETER



ATTESTATION D'EXAMEN DE TYPE

TYPE EXAMINATION CERTIFICATE



1 Version : 01

LCIE 03 ATEX 6310 X

Issue : 01

Directive 2014/34/UE

Directive 2014/34/EU

2 Appareil ou Système de Protection destiné à être utilisé en Atmosphères Explosibles

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres

3 Produit :
Aspirateur pneumatique

Product :
Pneumatic vacuum cleaner

Type: SS & SSAT

4 Fabricant :

Manufacturer :

TIGER-VAC INTERNATIONAL INC.

5 Adresse :

Address :

2020 Dagenais Blvd. West
Laval, Quebec,
H7L 5W2
Canada

6 Ce produit et ses variantes éventuelles acceptées sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités en référence.

This product any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

7 Le LCIE certifie que ce produit est conforme aux Exigences Essentielles de Sécurité et de Santé pour la conception et la construction de produits destinés à être utilisés en atmosphères explosibles, données dans l'annexe II de la Directive.

LCIE certifies that product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

Les résultats des vérifications et essais figurent dans le(s) rapport(s) confidentiel(s) N° :

The examination and test results are recorded in confidential report(s) N°:

150984-710705 ; 60010688-504549

8 Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par la conformité à :

Compliance with the Essential Health and Safety Requirements has been assured by compliance with :

EN ISO 80079-36:2016

9 Le signe « X » lorsqu'il est placé à la suite du numéro de l'attestation, indique que cet appareil est soumis aux conditions particulières d'utilisation, mentionnées dans l'annexe de cette attestation.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

10 Cette Attestation d'Examen de Type concerne uniquement la conception et la construction du produit spécifié.

This Type Examination Certificate relates only to the design and construction of the specified product.

Des exigences supplémentaires de la directive sont applicables pour la fabrication et la fourniture du produit. Ces dernières ne sont pas couvertes par la présente attestation.

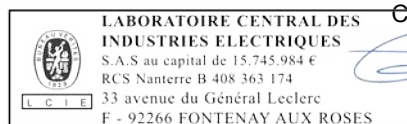
Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

11 Le marquage du produit est mentionné dans l'annexe de cette attestation.

The marking of the product is specified in the schedule to this certificate.

Fontenay-aux-Roses, le 2 février 2018

Responsable de Certification



Certification Officer
Julien Gauthier

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CERT-ATEX-FORM 05 Rev. 02

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LCIE

Laboratoire Central des Industries Electriques
Une société de Bureau Veritas

33 Avenue du Général Leclerc
92260 Fontenay-aux-Roses
FRANCE

WWW.LCIE.FR

12 DESCRIPTION DU PRODUIT

L'appareil est un aspirateur industriel fonctionnant par effet Venturi. Il ne contient aucune partie électrique, ni pièce mécanique en mouvement.

DETAIL DE LA GAMME

Le système Venturi utilisé dans les aspirateurs série SS est assemblé sur la tête de l'aspirateur et est composé de quatre parties différentes:

- Une chambre de soufflage
- Un jet d'air
- Un dôme
- Un logement

Le système Venturi utilisé dans les aspirateurs série SSAT-xx (yy) est plus compact que celui utilisé dans les aspirateurs série SS-xx (yy). Il est assemblé à l'intérieur de l'aspirateur et est composé de trois parties différentes:

- Un accélérateur d'air comprimé
- Un logement Venturi
- Un casier Venturi utilisé pour fixer l'accélérateur au boîtier

MARQUAGE

Le marquage du produit doit comprendre :

TIGER-VAC INTERNATIONAL INC.

Adresse : ...

Type : SS ou SSAT

N° de fabrication : ...

Année de fabrication : ...

⊕ II 2 G D

Ex h IIC T6 Gb

Ex h IIIC T85°C Db

LCIE 03 ATEX 6310 X

L'appareil doit également comporter le marquage normalement prévu par les normes de construction qui le concernent sous la responsabilité du fabricant.

13 CONDITIONS PARTICULIERES D'UTILISATION

- L'utilisateur doit s'assurer que la mise à la terre de l'aspirateur est réalisée selon les instructions du fabricant,
- L'utilisateur doit s'assurer qu'il utilise uniquement les accessoires préconisés par le fabricant.

14 EXIGENCES ESSENTIELLES DE SANTE ET DE SECURITE

Couvertes par les normes listées au point 8.

15 DOCUMENTS DESCRIPTIFS

N°	Description	Reference	Rev.	Date	Page(s)
1.	Technical file	TVATEX1710A	3	2018/01/25	56
2.	Instructions SS-IT	SS-IT EX (CFE) HEPA WET (OIL) MIX DEC 2017	0	2017/12/15	37
3.	Instructions SSAT	SSAT-2L HH 6L BP DEC 2017	0	2017/12/15	20

DESCRIPTION OF PRODUCT

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

RANGE DETAILS

The Venturi system used in SS 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 series vacuum cleaners is more compact than the one used in SS 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

MARKING

The marking of the product shall include the following :

TIGER-VAC INTERNATIONAL INC.

Address : ...

Type : SS or SSAT

Serial number : ...

Year of construction : ...

⊕ II 2 G D

Ex h IIC T6 Gb

Ex h IIIC T85°C Db

LCIE 03 ATEX 6310 X

The equipment shall also bear the usual marking required by the product standards applying to such equipment under the manufacturer responsibility.

SPECIFIC CONDITIONS OF USE

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.

ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

Covered by standards listed at 8.

DESCRIPTIVE DOCUMENTS

16 INFORMATIONS COMPLEMENTAIRES

Essais individuels

Néant.

En accord avec l'Article 41 de la Directive 2014/34/UE, les attestations d'examen de type mentionnant la Directive 94/9/CE émises avant la date d'application de la Directive 2014/34/UE (20 avril 2016) peuvent être considérées comme émises en accord avec la Directive 2014/34/UE. Les nouvelles versions de ces attestations peuvent conserver le numéro de l'attestation d'origine émise avant le 20 avril 2016.

17 DETAILS DES MODIFICATIONS

Version 00 : Version initiale suivant les normes 27/08/2003 EN 13463-1:2002 et prEN 13463-5:2002.

Version 01 : Mise à jour normative suivant la norme EN ISO 80079-36:2016 ; Ajout du modèle SSAT.

ADDITIONAL INFORMATION

Routine tests

None.

In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to Directive 94/9/EC that were in existence prior to the date of application of Directive 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. New issues of such certificates may continue to bear the original certificate number issued prior to 20 April 2016.

DETAILS OF CHANGES

Issue 00 : Initial issue according to EN 13463-1:2002 and 2003/08/27 prEN 13463-5:2002 standards.

Issue 01 : Normative update according to EN ISO 80079-36:2016 ; Adding of SSAT model.



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**

Page 1 of 3

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





IECEX Certificate of Conformity

Certificate No: IECEx LCIE 17.0076X Issue No: 0

Date of Issue: **2018-12-14** Page 2 of 3

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](#)



IECEX Certificate of Conformity

Certificate No: IECEx LCIE 17.0076X

Issue No: 0

Date of Issue: 2018-12-14

Page 3 of 3

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



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

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FULL CONDITIONS OF CERTIFICATION

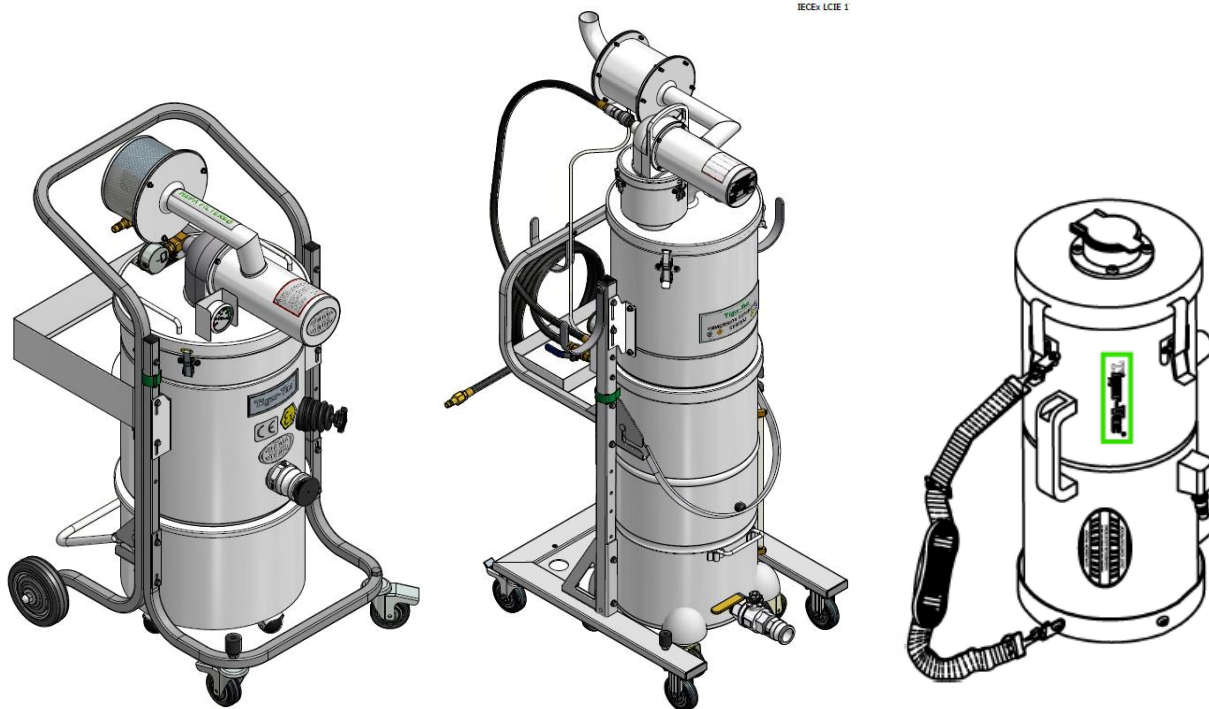
- The user must ensure that the grounding of the vacuum cleaner is carried out according to the manufacturer's instructions,
- The user must ensure that he only uses the accessories recommended by the manufacturer.

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.