



ATEX 3rd Party Certified
CE II 2 GD
Ex h IIC T6 Gb
Ex h IIIC T85°C Db
LCIE 03 ATEX 6310 X



Ex h IIC T6 Gb
Ex h IIIC T85°C Db
IECEX LCIE 17.0076 X



GUARANTEED for the Safe Recovery
of Combustible/Conductive Dusts and Flammable Liquids

ESD Safe Vacuum Cleaners for Hazardous Locations are
designed to prevent ignition hazards.
We use metal parts or Static Dissipative Powder Coating to
prevent Electrostatic Discharge (ESD)

Characteristics



EX Certified



Less than 10
ohms



HEPA Filter
Available
HEPA - Optional



Wet Recovery



Activated Carbon



- Legally certified explosion proof/dust ignition proof.
- Less than 10 Ohms of resistivity.
- Available with an optional Activated Carbon Cartridge for the adsorption of toxic/noxious fumes and vapors
- Designed for aircraft de-Fueling and de-Puddling
- Pneumatically (air) operated. Single Venturi, or Twin Venturi for more power.
- For wet and dry recovery
- All Stainless Steel Type 304 construction (except cart).
- With Red & Yellow bands.
- Equipped with an SD* 4-wheel Tilting Cart for easy emptying of recovered materials. Also equipped with a Dead Man Brake to avoid unit movement while on duty. Cart has SD* conductive wheels

Specifications

SS-55 (DM/DMB) TE SERIES	110278-DM	110278-DMB	110282-DM	110282-DMB
Model Name	SS-55 (DM) TE SINGLE VENTURI	SS-55 (DMB) TE SINGLE VENTURI	SS-55 (DM) TE TWIN VENTURI	SS-55 (DMB) TE TWIN VENTURI
Type (Powerhead)	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Venturi	Single	Single	Twin	Twin
Venturi (diam.)	6 mm	6 mm	6 mm	6 mm
Minimum Compressor	15 HP	15 HP	30 HP	30 HP
Air Line Size (Diam.)	1/2" (12.7mm)	1/2" (12.7mm)	1" (25.4mm)	1" (25.4mm)
Input Air Volume	21.2 L/s	21.2 L/s	33 L/s	33 L/s
Input Air Pressure	5.5 Bar	5.5 Bar	6.9 Bar	6.9 Bar
Air Flow	204 m ³ /h	204 m ³ /h	331 m ³ /h	331 m ³ /h
Vacuum Pressure	5080 mm H ₂ O	5080 mm H ₂ O	5840 mm H ₂ O	5840 mm H ₂ O
Suction Inlet	50 mm	50 mm	50 mm	50 mm
Cart Type	DM	Dead Man Brake (DMB)	DM	Dead Man Brake (DMB)
Filter Cleaning	None	None	None	None
Dry Recovery - Tank	151 L	151 L	151 L	151 L
Wet Recovery Capacity	170 L	170 L	170 L	170 L

Please note that specifications are subject to change without notice

Use only recommended tools & accessories



Activated Carbon Cartridge for TE Series - Optional



Nitrile Suction Hose - Included



Stainless Steel Mesh Filter - Included



Strainer Basket for TE Series - Included

European Headquarters

Tiger-Vac Europa S.R.L.
Via Marie Curie 17
Zona Industriale Ponte Rizzoli
Ozzano Emilia, BO 40064

Tel: ((39) 051 79.53.52)
Fax: ((39) 051 4695077)
Website: <http://www.tiger-vac.eu>
Email: info@tiger-vac.it

International Headquarters

Tiger-Vac International Inc.
2020 Dagenais Blvd. Ouest
Laval, Quebec
Canada H7L 5W2

Tel: (450-625-0099)
Fax: (450-625-3388)
Website: <http://www.tiger-vac.com>
Email: sales@tiger-vac.com



ATEX 3rd Party Certified
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EX Certified



Less than 10 ohms



HEPA - Optional



Wet Recovery



Activated Carbon



GUARANTEED for the Safe Recovery of Combustible/Conductive Dusts and Flammable Liquids

ESD Safe Vacuum Cleaners for Hazardous Locations are designed to prevent ignition hazards.
We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)



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Specifications for SS-55 (DM/DMB) TE SERIES

Name	Part Number	Air Flow	Vacuum Pressure	Dry Recovery - Tank
SS-55 (DM) TE SINGLE VENTURI	110278-DM	204 m ³ /h	5080 mm H ₂ O	151 L
Description: Specifications may vary depending upon performance of the compressor. This model is mounted onto a heavy duty DM Tilting Cart. The two front wheels have brakes. The brakes are foot activated.				
SS-55 (DMB) TE SINGLE VENTURI	110278-DMB	204 m ³ /h	5080 mm H ₂ O	151 L
Description: Specifications may vary depending upon performance of the compressor. This model is mounted onto a heavy duty DMB Tilting Cart with "Dead Man's Brake". In order to move the vacuum, the operator must lift the brake handle. When the DMB handle is released the brake will engage and the rear wheels will lock.				
SS-55 (DM) TE TWIN VENTURI	110282-DM	331 m ³ /h	5840 mm H ₂ O	151 L
Description: Specifications may vary depending upon performance of the compressor. This model is mounted onto a heavy duty DM Tilting Cart. The two front wheels have brakes. The brakes are foot activated.				
SS-55 (DMB) TE TWIN VENTURI	110282-DMB	331 m ³ /h	5840 mm H ₂ O	151 L
Description: Specifications may vary depending upon performance of the compressor. This model is mounted onto a heavy duty DMB Tilting Cart with "Dead Man's Brake". In order to move the vacuum, the operator must lift the brake handle. When the DMB handle is released the brake will engage and the rear wheels will lock.				

Please note that specifications are subject to change without notice

Technical Sheet for SS-55 (DM/DMB) TE SERIES

FILTERS AND ACCESSORIES - Included

Part #	Description
213433	STAINLESS STEEL MESH FILTER w/CLAMP FOR SS/EXP1-xx TE SERIES

STRAINER BASKET - Included

Part #	Description
211796	STRAINER BASKET -STAINLESS STEEL (55 GALLON)

ACTIVATED CARBON CARTRIDGE AND ACCESSORIES - Optional

Part #	Description
211046C-DM1	ASSEMBLED STAINLESS STEEL HOUSING BOX w/ACTIVATED CARBON FILTER FOR SS-55 DM / DMB, INCLUDES BRACKET
211045	ACTIVATED CARBON FILTER CARTRIDGE (SQUARE)

TOOLS AND ACCESSORIES FOR SINGLE VENTURI MODELS - Included

Part #	Description
500126	NITRILE DEFUELING SUCTION HOSE ASSEMBLY SD* Ø0.75"(19mm)x25'(7.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALU
211030	AIR SUPPLY HOSE ASSEMBLY SD* 0.5"(12.7mm) x 50'(15m) w/1 MALE QUICK DISC. & 1 FEMALE QUICK DISC.
211033B	FEMALE QUICK DISCONNECT Ø0.5"(12.7mm) WITH Ø0.5"(12.7mm) FEMALE THREAD (BRASS)
211095C	HEX NIPPLE -BRASS (0.5"NPT)
211065B	MULTIMETER

TOOLS AND ACCESSORIES FOR TWIN VENTURI MODELS - Included

Part #	Description
500126	NITRILE DEFUELING SUCTION HOSE ASSEMBLY SD* Ø0.75"(19mm)x25'(7.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALU
211032	AIR SUPPLY HOSE ASSEMBLY SD* Ø1"(25.4mm)x50'(15m) WITH 1 MALE QUICK DISC. & 1 FEMALE QUICK DISC.
211034B	FEMALE QUICK DISCONNECT Ø1"(25.4mm) WITH Ø1"(25.4mm) FEMALE THREAD (BRASS)
211034A	NIPPLE Ø1"(25.4mm)x2"(50mm) (BRASS)
211065B	MULTIMETER

TOOLS AND ACCESSORIES - REQUIRED IN ORDER TO CLEAN UP SPILLS OFF OF THE FLOOR - Optional

Part #	Description
381123	NITRILE SUCTION HOSE ASSEMBLY, SD* Ø1.5"(38mm)x15'(4.5m) FOR Ø2"(50mm)CAMLOCK INTAKE -ALUMINUM
381364	DOUBLE BEND WAND ASSEMBLY (2pc) 1.5"(38mm) x 54"(137cm), STAINLESS STEEL w/ALUMINUM TOOL COUPLING
381236	UNIVERSAL TOOL SD* w/CONDUCTIVE BRUSH STRIPS, RUBBER BLADES, BRASS AXLE & WHEELS, 1.5" x18",ALUMINUM
381188	CREVICE TOOL SD*, 1.5" (38mm) x 11" (28cm), ALUMINUM
381190	CONICAL NOZZLE ASSEMBLY, 6" (15cm) NITRILE
381219	CONICAL NOZZLE ASSEMBLY 21"(53cm), NITRILE

GROUNDING REEL - Optional

Part #	Description
211191	GROUNDING REEL, 50ft (15m), STAINLESS STEEL HOUSING & CABLE, WITH AIRCRAFT GROUNDING CLAMP
211191-SPE	GROUNDING REEL, 50ft (15m), STAINLESS STEEL HOUSING & CABLE, WITH BAYONET PLUG

MANUAL PUMP ASSEMBLY - Optional

Part #	Description
212640	MANUAL PUMP ASSEMBLY WITH STAINLESS STEEL LID & GASKET FOR 55 GALLON TANK

AIR-OPERATED DIAPHRAGM PUMP ASSEMBLY - Optional

Part #	Description
211934	DIAPHRAGM PUMP ASSEMBLY WITH CART (INCLUDES NITRILE SUCTION AND DISCHARGE HOSES)



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.

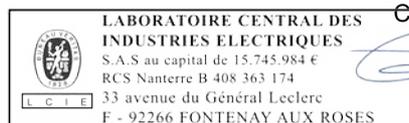
Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

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 : ...

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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

- a. L'utilisateur doit s'assurer que la mise à la terre de l'aspirateur est réalisée selon les instructions du fabricant,
- b. 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

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CERT-ATEX-FORM 05 Rev. 02

1 Version : 01

LCIE 03 ATEX 6310 X

Issue : 01

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

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

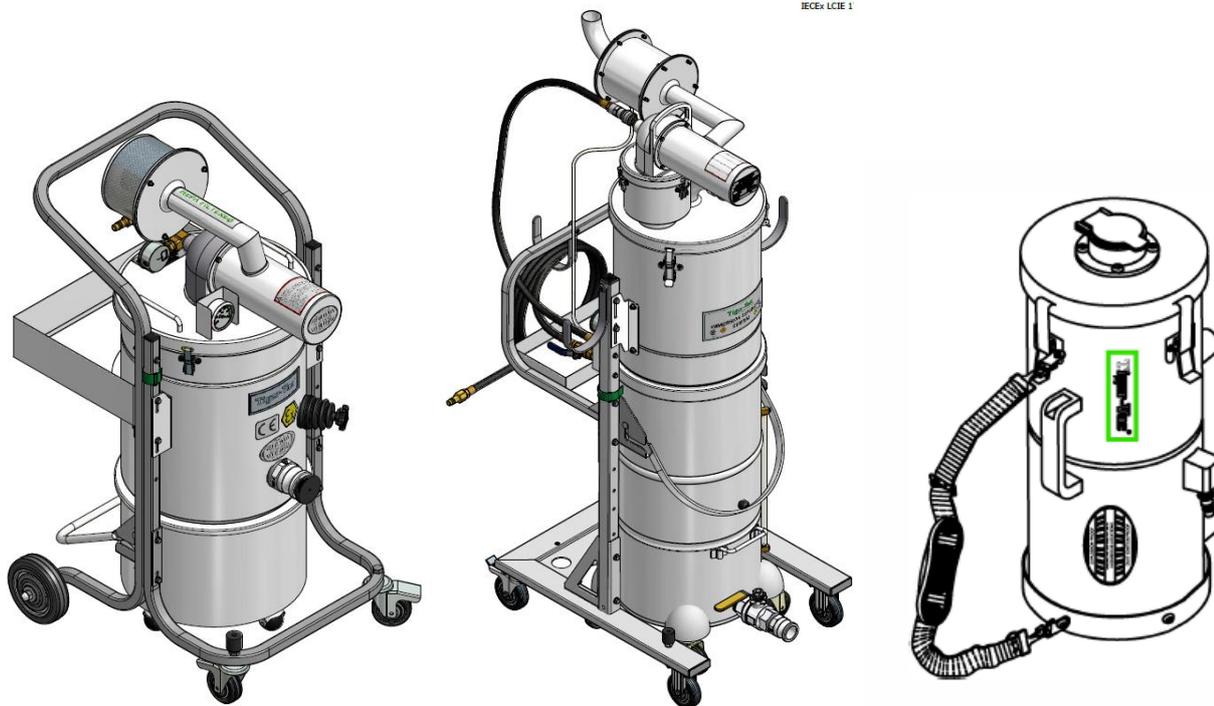
- The user must ensure that the grounding of the vacuum cleaner is carried out according to the manufacturer's instructions,
- The user must ensure that he only uses the accessories recommended by the manufacturer.

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.