



**GUARANTEED** to be capable of safely recovering combustible/conductive dusts &/or flammable liquids.



CD EX series IECEx Certified Ex d IIB T4 Gb Ex t IIIC T135°C Db IP65 Vacuum Cleaner certified for providing an Equipment Protection Level of EPL Db and EPL Gb

CE 0081 II 2 G/D Ex d IIB T4 Gb  
Ex t IIIC T135°C Db IP65  
**LCIE 03 ATEX 6295**

### Characteristics



HEPA Optional



Continuous Duty



Explosion Proof



Stainless Steel AISI 304



Dry Recovery



Resistivity: Less than 10 ohms

**Vertically Mounted**



Stainless steel SAE 304 body and powder coated cabinet. All stainless steel SAE 304 pharma version available. Less than 10 Ohms of resistivity. This unit is available with an optional upstream/downstream true HEPA (H14) Filter. This unit is available with either a Self Cleaning Filter (SCF) or Manual Reverse Purge with Finger Tubes (MRPFT) system - contains 128 Filter Tubes This unit is also equipped with a maintenance free, beltless side channel blower with a 25000+ hour lifespan. The single phase explosion proof/dust ignition proof motor is fully enclosed in a protective cabinet. This unit is designed to be attached to process machines and for general cleanup in hazardous locations. This unit can also be used for the recovery of tablets in the pharmaceutical industry. Vertical mounting for areas with space constraints. Unit has a small environmental footprint. Equipped with static dissipating poly liner and clip for the easy and safe disposal of recovered materials. All of our HEPA vacuum cleaners are Aerosol Leak



## Arc Technologies

Worldwide Technology For Controlled Environments

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Tested before leaving our facility.

## Specifications

Unit	CD-230V EX (SCF) Z1-2-21-22	CD-230V EX (SCF) Z21	CD-230V EX (MRPFT) Z1-2-21-22	CD-230V EX (MRPFT) Z21
Part#	112166B3	112165B3	112179B3	112178B3
Weight	lbs	214	214	214
Filter Cleaning	SCFS	SCFS	MRPFT	MRPFT
Decibels	dB	68	68	68
Dimensions	Inches	H60 x W19 x L25	H60 x W19 x L25	H60 x W19 x L25
Dry Recovery	Gal	13.2	13.2	13.2
Vacuum Pressure	Inches H <sub>2</sub> O	100	100	100
Air Flow	CFM	125	125	125
Phase	Single	Single	Single	Single
Horse Power	HP	2	2	2
Amperage	A	12.3	3.6	12.3
Wattage	W	1500	1500	1500
Hertz	Hz	50	50	50
Voltage	V	230	230	230
Plug	Not Inc.	Not Inc.	Not Inc.	Not Inc.

## High Efficiency Particulate Air Filter

A HEPA filter is a type of air filter, which means it filters the air coming in or out of the vacuum cleaner system. It can remove at least 99.99% of dust, pollen, mould, bacteria and any other airborne particles with a size of 0.3 micron or larger.

North-America: Each HEPA Filter has a minimum filtration efficiency of 99.99% on 0.3 micron. Tested as per IEST-RP-CC001.3 and OSHA compliant.

Europe: Each HEPA Filter has a minimum filtration efficiency of 99.995% on 0.3 micron, rated H14 as per EN 1822 by MPPS method.

## Explosion Proof Requirement

In order for Tiger-Vac to legally certify an Explosion Proof/Dust Ignition Proof vacuum cleaner system the unit must be static dissipative (SD\*) and conductive and have a resistivity measuring less than 10 Ohms to any point on the vacuum cleaner system. This makes the unit eligible to be Explosion Proof/Dust Ignition Proof and be part of Tiger-Vac's quality control management system ISO 9001:2008.

When using a pneumatic Explosion Proof Vacuum Cleaner System the customer must make sure that the source of air supply (compressor) is grounded.

## Ex-Mat Recovery



Tiger-Vac, as the manufacturer, GUARANTEES, that these units can be used to safely recover combustible /conductive dusts and/or flammable liquids.

The ATEX marking certifies only, by it's Ingress of Protection (IP), the capacity of the vacuum cleaner to be in the presence of combustible /conductive dusts and/or flammable liquids but does not certify the capacity of the vacuum cleaner to recover them.



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HEPA/ULPA FILTERS - Optional		
Part#	Qty	Description
211027	1	ULPA FILTER (U15)
211027B	1	HEPA FILTER (H14)

FILTERS AND ACCESSORIES FOR SCF MODELS - Included		
Part#	Qty	Description
211013A	1	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS WITH LACES (CAGE SOLD SEPARATELY)
212734A	1	STAINLESS STEEL CAGE FOR CLOTH FILTER -ELECTROPOLISHED
212008	1	PRE-FILTER ASSEMBLY SD* (10,15&25 GALLON)

POLYETHYLENE FILTER TUBE ASSEMBLY AND ACCESSORIES FOR MRPFT MODELS - Included		
Part#	Qty	Description
217700	1	POLYETHYLENE FILTER TUBE ASSEMBLY
217708	1	PRE-FILTER ASSEMBLY SD* FOR LOWER HOUSING FOR POLYETHYLENE FILTER TUBES, STAINLESS STEEL

POLY LINER RECOVERY BAGS AND ACCESSORIES - Included		
Part#	Qty	Description
212100S-5	1	CONDUCTIVE POLY LINER WITH DRAW STRING (40 LITRES/10 GALLONS)(PACKAGE OF 5)
213780	1	POLY LINER RETAINER PLATE WITH CLIP

TOOLS AND ACCESSORIES - Included		
Part#	Qty	Description
383440B	1	STATIC CONDUCTIVE CRUSHPROOF SUCTION HOSE ASSEMBLY(NO WIRE)Ø1.5"(38mm)x10'(3m) FOR 2" CAMLOCK INTAKE
381364	1	WAND ASSEMBLY (2PC) STAINLESS STEEL WITH ALUMINUM ATTACHMENT
381236	1	UNIVERSAL TOOL SD* W/CONDUCTIVE BRUSH STRIPS,RUBBER BLADES,BRASS AXLE&WHEELS Ø1.5"(38mm)x18"(45.7cm)
381188	1	CREVICE TOOL SD* 11"(27.9cm), ALUMINUM
381185A	1	DUSTING BRUSH SD* WITH STAINLESS STEEL COUPLING & CONDUCTIVE BRISTLES 5"(12.5cm) -ALUMINUM
383461D	1	CONICAL NOZZLE ASSEMBLY(STRAIGHT)7.5"(19cm)CONDUCTIVE RUBBER FOR HOSE CUFF W/RING (383461M+381147D)
211065B	1	MULTIMETER

Ø1.5" (Ø38mm) SUCTION HOSE / EXTENSION HOSE PARTS AND ACCESSORIES - Optional		
Part#	Qty	Description
383438-50	1	CRUSHPROOF SUCTION HOSE, STATIC CONDUCTIVE (NO WIRE) 50'(15m)xØ1.5"(38mm)
383434	1	HOSE CUFF UNION WITH SWIVEL Ø1.5"(38mm) STATIC CONDUCTIVE -BLACK
383436	1	HOSE CUFF Ø1.5"(38mm) STATIC CONDUCTIVE -BLACK
383435	1	EXPANDER HOSE CUFF Ø1.5"(38mm) TO Ø2"(Ø50mm) STATIC CONDUCTIVE -BLACK
500175	1	CAMLOCK SPECIAL PART C Ø2"(50mm)FEMALE ADAPTOR TO Ø1.5"(38mm)HOSE SHANK -ALUMINUM

AUTOMATIC REVERSE PURGE SYSTEM - Optional		
Part#	Qty	Description
215173	1	KIT FOR AUTOMATIC PURGE 10/15/25



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## **WARNINGS:**

For the recovery of metallic dusts, it is recommended that this unit be used in conjunction with an immersion separator

Only tools and accessories provided by Tiger-Vac shall be used with this vacuum cleaner. Any other tools used will render the warranty null and void and may cause an explosion which could result in bodily harm. Tiger-Vac will not assume any responsibility for damage that may occur due to the improper use or handling of the vacuum cleaner system.



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