



**GUARANTEED** for the safe recovery of combustible/conductive dusts



CD EX series IECEX 3rd party certified Ex d IIB T4 Gb Ex t IIIC T135°C Db IP65 **IECEX LCI 10.0040** Vacuum Cleaner certified for providing an Equipment Protection Level of EPL Db and EPL Gb See Certificate

ATEX 3rd party certified

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

### Characteristics



- Legally certified explosion proof/dust ignition proof by an OSHA approved Nationally Recognized Testing Laboratory (NRTL)
- Less than 10 Ohms of resistivity
- Coalescing Filter Element (CFE) for moisture removal
- HEPA Filter - Included with an efficiency of 99.995% on 0.3 micron. Tested: IEST RP-CC001.3. H14 by MPPS method as per EN 1822 and OSHA compliant. All of our HEPA Vacuum Cleaners are Aerosol Leak Tested before leaving our facility.
- Designed for the recovery and neutralization of conductive and explosive dust into a Liquid Immersion Bath
- An optional Wet & Dry Conversion Kit is available
- Continuous duty single or 3-phase (TEFC) explosion proof/dust ignition proof motor
- Stainless Steel SAE 304 Interceptor Tank
- Recovery capacity of 1 gallons (4 liters) of dust into 5 gallons (20 liters) of neutralizing liquid
- Equipped with a heavy duty powder coated hydraulic cart for easy emptying of recovered material. Cart has SD\* conductive wheels
- Group E Motor (Metal Dust) and Switch included
- Other motor performances available



# Specifications

Unit		CD-IT EX (CFE) HY-C HEPA Z1-2-21-22	CD-IT EX (CFE) HY-C HEPA Z21
		Do not exceed the recommended vacuum performances of 145 CFM (246 M3/H) and 130" H2O (3302 mm H2O)	Do not exceed the recommended vacuum performances of 145 CFM (246 M3/H) and 130" H2O (3302 mm H2O)
Part#		111092B1	111090B1
Weight	lbs	363	363
Filter Cleaning		NONE	NONE
Decibels	dB	68	68
Dimensions	Inches	H51 × W20 × L49	H51 × W20 × L49
Dry Recovery	Gal	1.3	1.3
Vacuum Pressure	Inches H <sub>2</sub> O	100.39	100.39
Air Flow at Suction Intake	CFM	118	118
Phase		Three	Three
Horse Power	HP	3	3
Amperage	A	4.8	4.3
Wattage	W	2200	2200
Hertz	Hz	50	50
Voltage	V	400	400
Plug		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.

[Click here to download Tiger-Vac's HEPA Filter's standards chart.](#)

## Coalescing Filter Element

The Coalescing filter element is used for the removal of solid particles, water and oil aerosols.

## 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.

## HEPA FILTER AND ACCESSORIES - Included

Part#	Qty	Description
211027B	1	HEPA FILTER 99.995% EFFICIENCY ON 0.3 MICRON (CE VERSION)

## COALESCING FILTER ELEMENT - Included

Part#	Qty	Description
214779	1	REPLACEMENT COALESCING FILTER ELEMENT CARTRIDGE FOR ITFE

## SIEVE BASKET - Included

Part#	Qty	Description
218985	1	SIEVE BASKET WITH CLOSE BASE FOR IT-25, STAINLESS STEEL AISI 304

## TOOLS AND ACCESSORIES - Included

Part#	Qty	Description
381400A	1	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10'(3m)W/1.5"FEMALE CAMLOCK ALUMINUM,HOSE CUFF&RING
381364A	1	WAND ASSEMBLY (2PCS), STAINLESS STEEL w/ALUMINUM ATTACHMENT, w/TAPER FOR USE w/HOSE CUFF w/RING
381236	1	UNIVERSAL TOOL SD* W/CONDUCTIVE BRUSH STRIPS,RUBBER BLADES,BRASS AXLE&WHEELS Ø1.5"(38mm)x18"(45.7cm)
381185DA	1	DUSTING BRUSH -ALUMINUM SD* 5"(12.5cm) WITH CONDUCTIVE BRISTLES FOR USE WITH HOSE CUFF & RING
383461D	1	CONICAL NOZZLE ASSEMBLY(STRAIGHT)7.5"(19cm)CONDUCTIVE RUBBER FOR HOSE CUFF W/RING (383461M+381147D)
211065B	1	MULTIMETER

## RUPTURE DISK - Optional

Part#	Qty	Description
214679	1	2"(50mm)RUPTURE DISK ASSEMBLY INCLUDES DISK HOLDER & SS FLANGEES (MUST BE FACTORY INSTALLED)
214680	1	RUPTURE DISK 2"(50mm) MODEL PBV-70, ALUMINUM/STAINLESS STEEL 316
214681	1	SAFETY HEADS (RUPTURE DISK HOLDER), FOR 2"(50mm) RUPTURE DISK, CS/CS

## HYDROGEN RELIEF VALVE - Optional

Part#	Qty	Description
217892	1	HYDROGEN RELIEF VALVE, 0.25", STAINLESS STEEL

## **WARNINGS:**

Do not push or move vacuum cleaner when Hydrocart is raised because there is a danger that the unit might tip over

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.

Do not exceed the recommended vacuum performance of 145 CFM (246 M<sup>3</sup>/H) and 130" H<sub>2</sub>O (3302 mm H<sub>2</sub>O)