



CD-EX models certified for :
Class I, Group D, Division 1 and Class II, Groups F and G, Division 1 *Class II - Division 1 - Group E (metal dust) motor available



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

Characteristics



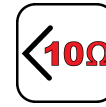
Continuous Duty



Dry Recovery



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



Stainless Steel AISI 304



Static Dissipating Toolkit



Hydrocart



Coalescing Filter Element



High Efficiency

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- 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.
- Designed for the recovery and neutralization of conductive and explosive dust into a liquid immersion bath
- Optional Conversion Kit for Wet & Dry Recovery available
- Continuous duty single or 3-phase explosion proof/dust ignition proof motor
- Stainless steel SAE 304 Interceptor tank
- Recovery capacity of 1 gallon (4 liters) of dust into 5 gallons (20 liters) of liquid
- Equipped with a heavy duty powder coated Hydraulic Cart for easy emptying of recovered materials
- Group E Motor (Metal Dust) and Switch included
- Other motor performances available



Stainless steel Interceptor tank and powder coated Hydraulic Cart. Less than 10 Ohms of resistivity. This unit is equipped with a Coalescing Filter Element (CFE) for moisture removal. The unit is also equipped with a true HEPA Filter (H14). This unit has been designed for the recovery of metallic, conductive and explosive dusts into an immersion liquid bath such as water, paraffin oil, mineral oil, etc. This unit renders any hazardous dust inert. This unit can be converted for the recovery of fuel, solvents and acids. The heavy duty powder coated Hydraulic Cart allows for the unit to be lifted up to 36" (91 cm) above the ground so that contents can be emptied into a recovery container for disposal.

Specifications

Unit	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS E, F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS E, F & G	CD-IT EX (CFE) HY-C HEPA, CLASS I - GROUP D, CLASS II - GROUPS E, F & G
Part#	111090A1	111090A2	111090A3	111090A4	111090A5	111092A1	111092A2	111092A5
Weight	165	165	165	165	160	165	165	165
Filter Cleaning	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Decibels	68	68	68	68	68	68	68	68
Dimensions	H130 x W51 x L124	H130 x W51 x L124	H130 x W51 x L124	H130 x W51 x L124	H130 x W51 x L124	H130 x W51 x L124	H130 x W51 x L124	H130 x W51 x L124
Dry Recovery	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Vacuum Pressure	3302	3302	2794	3048	3302	3302	3302	3302
Air Flow	246	246	187	212	246	246	246	246
Phase	Three	Three	Single	Single	Three	Three	Three	Three
Horse Power	2	2	1	1.5	2	2	2	2
Amperage	2.6	5.2	13.5	9	2.1	2.6	5.2	2.1
Wattage	1480	1480	750	1110	1480	1480	1480	1480
Hertz	60	60	60	60	60	60	60	60
Voltage	460	230	120	230	575	460	230	575
Plug	Not Inc.	Not Inc.	Not Inc.	Not Inc.	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.

[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 (H14)

COALESCING FILTER ELEMENT - Included

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

SIEVE BASKET - Included

Part#	Qty	Description
214985	1	SIEVE BASKET 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

TOOLS AND ACCESSORIES - Included		
Part#	Qty	Description
381364A	1	WAND ASSEMBLY (2PCS) -STAINLESS STEEL WITH ALUMINUM ATTACHMENT & TAPER FOR USE WITH HOSE CUFF&RING
381236	1	UNIVERSAL TOOL SD* W/CONDUCTIVE BRUSH STRIPS,RUBBER BLADES,BRASS AXLE&WHEELS Ø1.5"(38mm)x18"(45.7cm)
381372D	1	CREVICE TOOL, Ø1.5"(38mm)x11"(27.9cm) -STAINLESS STEEL (FOR USE WITH HOSE CUFF & RING)
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)CONDUCTVE RUBBER FOR HOSE CUFF W/RING (383461M+381147D)
211065B	1	MULTIMETER

SITE GLASS - must be factory installed - Optional		
Part#	Qty	Description
217890	1	SIGHT GLASS WITH 65mm VIEWING DIAMTER, TOUGHENED SODA LIME GLASS (DIN 8902) w/STAINLESS STEEL BODY

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

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 M³/H) and 130" H₂O (3302 mm H₂O)