



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



Pharma Applications



Dry Recovery



Wet & Dry Applications



Cleanroom Applications



ULPA Included



Continuous Duty



High Efficiency



Explosion Proof



Stainless Steel
AISI 304



Resistivity:
Less than 10
ohms



Activated
Carbon



- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- Less than 10 Ohms of resistivity
- ULPA Filter - Included with an efficiency of 99.999% on 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% on 0.18 micron. Tested: IEST RP-CC001.3. U15 by MPPS method as per EN 1822.
- *Cleanroom compatible. Can be used in the pharmaceutical industry
- For general cleanup in hazardous locations
- Continuous duty single or 3-phase explosion proof/dust ignition proof motor
- Available for wet and dry recovery
- Available with middle ring (MRAC) with activated carbon
- All stainless steel SAE 304/316 construction
- Liquid recovery capacity of 12.5 gallons (47.5 liters)
- Equipped with a 4-wheel cart for easy maneuverability
- Group E Motor (Metal Dust) and Switch available
- Other motor performances available

All stainless steel SAE 304/316 construction. Less than 10 Ohms of resistivity. This unit contains a true ULPA Filter (U15) located downstream outside of the motor housing. This unit is cleanroom compatible and can be used in the pharmaceutical industry. This unit can be used for general maintenance in hazardous locations. This unit is available with a Middle Ring for wet and dry recovery. An Activated Carbon Cartridge is also available for the adsorption of toxic fumes and vapors. All of our ULPA vacuum cleaners are Aerosol Leak Tested before leaving our facility

Specifications

Unit	CD-2 EX CR ULPA (MRAC)	CD-2 EX CR ULPA (MRAC)	CD-2 EX CR ULPA (MRAC)	CD-2 EX CR ULPA (W & D)	CD-2 EX CR ULPA (MRAC)			
Part#	110834A2	110834A4	110834A5	110836A1	110836A2	110836A4	110836A5	110834A1
Filter Cleaning	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Wet Recovery L	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
Dry Recovery L	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
Vacuum Pressure mm H ₂ O	3302	3048	3302	3302	3302	3048	3302	3302
Air Flow m ³ /h	246	212	246	246	246	212	246	246
Phase	Three	Single	Three	Three	Three	Single	Three	Three
Horse Power HP	2	1.5	2	2	2	1.5	2	2
Amperage A	5.2	9	2.1	2.6	5.2	9	2.1	2.6
Wattage W	1480	1110	1480	1480	1480	1110	1480	1480
Hertz Hz	60	60	60	60	60	60	60	60
Voltage V	230	230	575	460	230	230	575	460
Plug	Not Inc.	Not Inc.	Not Inc.	Not Inc.	Not Inc.	Not Inc.	Not Inc.	Not Inc.

Ultra Low Penetration Air Filter

A ULPA filter is a type of air filter. It can remove at least 99.999% of dust, pollen, mould, bacteria and any other airborne particles with a size of 0.12 microns or larger.

North-America: Each ULPA Filter has a minimum filtration efficiency of 99.999% on 0.12 micron. Tested as per IEST-RP-CC001.3.

Europe: Each ULPA Filter has a minimum filtration efficiency of 99.9995% on 0.18 micron, rated U15 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.

Middle Ring with Activated Carbon

Activated carbon is used for the adsorption of toxic/nuisance fumes and vapors. Tiger-Vac offers a variety of activated carbons for various applications such as for the recovery of fuels, mercury, chloride and acid vapors and for Arsine and Phosphine.

ULPA FILTER AND ACCESSORIES - Included

Part#	Qty	Description
212203	1	ULPA FILTER (U15), 11"(28cm)
212206	1	FLOATER HOUSING -STAINLESS STEEL(EXTERNAL PART)

FILTERS AND ACCESSORIES - Included

Part#	Qty	Description
212809A	1	MAIN FILTER ASSEMBLY WITH LACES SD* (CAGE SOLD SEPARATELY)
212408A	1	WIRE CAGE FOR MAIN FILTER -STAINLESS STEEL 304 ELECTROPOLISHED

PRE-FILTER - Included

Part#	Qty	Description
212813	1	PRE-FILTER ASSEMBY SD* WITH STAINLESS STEEL RING

ACTIVATED CARBON CARTRIDGES FOR MODEL CD-2 EX (MRAC) - Optional

Part#	Qty	Description
213348B	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm(0.11") CARBON (REGULAR)
213348C	1	CARBON CARTRIDGE ASSEMBLY WITH MERSORB 3mm(0.11")

ACTIVATED CARBON CARTRIDGES FOR MODEL CD-2 EX (MRAC) - Optional		
Part#	Qty	Description
213348K	1	CARBON CARTRIDGE ASSEMBLY WITH KINA 3 CARBON FOR CHLORIDE VAPORS
213348L	1	CARBON CARTRIDGE ASSEMBLY WITH A-3 CARBON FOR ARSINE AND PHOSPHINE VAPORS

PERFORATED STAINLESS STEEL HOUSING FOR ULPA FILTER - Optional		
Part#	Qty	Description
212206	1	FLOATER HOUSING -STAINLESS STEEL(EXTERNAL PART)

EXHAUST SYSTEMS - Optional		
Part#	Qty	Description
213004	1	EXTERNAL HEPA HOUSING WITH Ø2"(50mm) MALE CAMLOCK VENTING EXHAUST FOR 11"(28cm) HEPA-STAINLESS STEEL
213035	1	ADAPTOR PLATE WITH Ø2"(50mm) CAMLOCK VENTING EXHAUST -STAINLESS STEEL

GROUND CONTINUITY TESTER - Included		
Part#	Qty	Description
211065B	1	MULTIMETER

Ø1.5" (Ø38mm) STATIC CONDUCTIVE SUCTION HOSE ASSEMBLY (RESISTIVITY OF 10/3 - 10/5) - Optional		
Part#	Qty	Description
383441B	1	CRUSHPROOF SUCTION HOSE ASSEMBLY Ø1.5"(38mm)x15'(4.5m) STATIC CONDUCTIVE FOR Ø2"(50mm) CAMLOCK INTAK

Ø2" (50mm) VINYLIFE CONNECTION/SUCTION HOSE ASSEMBLY - Optional		
Part#	Qty	Description
500381	1	VINYLFIFE CONNECTION/SUCTION HOSE ASSEMBLY SD* Ø2"(50mm)x6'(1.8m)W/Ø2" FEMALE CAMLOCK ON ONE END -SS

AUTOCLAVABLE TOOLS AND ACCESSORIES - Optional		
Part#	Qty	Description
381385B	1	EPDM SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10' W/Ø1.5"FEMALE SCREW TYPE&CAMLOCK FOR Ø2"INTAKE-SS
381366	1	WAND ASSEMBLY Ø1.5"(38mm)x54"(1.4m) WITH STAINLESS STEEL ATTACHEMENT (2PCS) -STAINLESS STEEL
381370	1	FLOOR TOOL ASSEMBLY WITH RUBBER BLADES AND WHEELS Ø1.5"(38mm)x14"(35.6cm) -STAINLESS STEEL
381372	1	CREVICE TOOL Ø1.5"(38mm)x11"(27.9cm) -STAINLESS STEEL

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.