



C E0081 Ex II 2 G/D EEx d IIB T4  
IP6X - T135°C  
LCIE 03 ATEX 6295

### Characteristics



HEPA Included



Pharmaceutical Applications



Cleanroom Applications



Continuous Duty



Explosion Proof



Stainless Steel  
AISI 304 & 316



Activated Carbon



Resistivity: Less  
than 10 ohms



Wet & Dry  
Applications



High Efficiency



Coalescing Filter  
Element



CD-3 EX MRAC Shown

- Legally certified explosion proof/dust ignition proof vacuum cleaner
- 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 3-phase explosion proof/dust ignition proof motor
- Wet and dry recovery
- Available with Middle Ring with Activated Carbon (MRAC). Several types of carbon are available
- Available with Liquid Bath Immersion system for the recovery of metallic/combustible dusts
- All stainless steel 304/316 construction
- Liquid recovery capacity of 17 gallons (65 liters)
- Equipped with a 4-wheel cart for easy manoeuvrability

All stainless steel AISI 304/316 construction. Less than 10 Ohms of resistivity. This unit contains a true ULPA Filter (U15) coated downstream outside of the motor housing. This unit is cleanroom compatible and can be used for the pharmaceutical industry. This unit can be used for general maintenance in hazardous locations. This unit is also available with a Middle Ring with Activated Carbon (MRAC) for wet and dry recovery as well as a version with a Liquid Bath Immersion system for the recovery of metallic/combustible dusts. An Activated Carbon Cartridge is also available for the adsorption of toxic fumes and vapors. Several different types of carbon are available. All of our ULPA vacuum cleaners are DOP Leak Tested before leaving our facility.



## Arc Technologies

Worldwide Technology For Controlled Environments

Web site: [www.arc technologies.co.uk](http://www.arc technologies.co.uk)

email: [achambers@arc technologies.co.uk](mailto:achambers@arc technologies.co.uk)

Tel: +(44)0115 928 1508

## Specifications for model CD-3 EX Series (Wet & Dry)

Name	Part Number	Wet Recovery	Dry Recovery	Vacuum Pressure	Air Flow	Phase	Horse Power	Amperage	Wattage	Hertz	Voltage	Plug Type
CD-3 EX ULPA (IT-CFE) Z1-2-21-22	110982B1	0 L	19 L	3370 mm H <sub>2</sub> O	83.3 L/s	3	5.4HP	8.7A	4000W	50Hz	400V	Not Inc.
	Dimensions: H130.8 cm x W50.8 cm x L110.5 cm Weight: 160.12 Kg Noise Level: 82 dB(A)											
CD-3 EX ULPA (MRAC) Z1-2-21-22	110980B1	64.6 L	57 L	3370 mm H <sub>2</sub> O	83.3 L/s	3	5.4HP	8.7A	4000W	50Hz	400V	Not Inc.
	Dimensions: H130.8 cm x W50.8 cm x L110.5 cm Weight: 160.12 Kg Noise Level: 82 dB(A)											
CD-3 EX ULPA (W & D) Z1-2-21-22	110972B1	64.6 L	57 L	3370 mm H <sub>2</sub> O	83.3 L/s	3	5.4HP	8.7A	4000W	50Hz	400V	Not Inc.
	Dimensions: H130.8 cm x W50.8 cm x L110.5 cm Weight: 160.12 Kg Noise Level: 82 dB(A)											

### MRAC - 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 the recovery of fuels, mercury, chloride and acid vapors and for Arsine and Phosphine.

### 10 Ohms - 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 from the grounded air supply hose 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 9001:2000.

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

### ULPA - 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 IES-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.

### **Warning:**

For the recovery of metallic dusts, it is recommended that this unit be used in conjunction with an immersion separator (except for model CD-3 EX HEPA (IT-CFE))

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



**Arc Technologies**

Worldwide Technology For Controlled Environments

Web site: [www.arctechnologies.co.uk](http://www.arctechnologies.co.uk)

email: [achambers@arctechnologies.co.uk](mailto:achambers@arctechnologies.co.uk)

Tel: +(44)0115 928 1508