



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

CE 0081 II 2 G/D Ex d IIA T4 Ex tD A21  
IP65 - T 120°C  
**LCIE 03 ATEX 6297**

CE 0081 II 2 G/D Ex d IIA T3 Ex tD A21  
IP6X - T 200°C  
**LCIE 03 ATEX 6297**

### Characteristics



- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- Less than 10 Ohms of resistivity
- 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. Or ULPA Filter - Optional 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.
- For general cleanup in hazardous locations
- Single phase explosion proof/dust ignition proof motor
- Equipped with a Middle Ring with Activated Carbon Cartridge for the adsorption of fumes and vapors
- For wet and dry recovery
- All stainless steel SAE 304 construction
- Recovery tank capacity of 7.5 gallons (28.5 liters) - wet and 6 gallons (23 liters) - dry
- Optional SD\* polyliner and clip available for easy and safe disposal of recovered materials
- Based on an SD\* 4-wheel dolly for easy manoeuverability
- Complete static dissipating tool kit and suction hose included

SD\* Static Dissipative

All stainless steel SAE 304 construction. Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA Filter (H14) located downstream of the motor. This unit also equipped with a Middle Ring and Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors. This unit can be used for general maintenance in hazardous locations. This is a wet & dry vacuum cleaner. Recovery capacity is 7.5 gallons (28.5 liters) - wet and 6 gallons (23 liters) - dry. All of our HEPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

## Specifications

	Unit	EXP1-10 (4W) RE HEPA (MRAC)
Part#		110342B
Filter Cleaning		NONE
Decibels	dB	75
Wet Recovery	Gal	7.5
Dry Recovery	Gal	6
Vacuum Pressure	Inches H <sub>2</sub> O	61.18
Air Flow	CFM	131.84
Phase		Single
Horse Power	HP	1.3
Amperage	A	4.5
Wattage	W	1000
Hertz	Hz	50
Voltage	V	230
Plug		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.

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.



**Arc Technologies**

Worldwide Technology For Controlled Environments

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## 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.

### ACTIVATED CARBON CARTRIDGE - Optional

Part#	Qty	Description
212200B	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm CARBON (REGULAR)
212200C	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm MERSORB (FOR MERCURY VAPORS)
212200K	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm KOGC3/KINA3 CARBON (FOR CHLORIDE VAPORS)
212200L	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm A-3 CARBON (FOR ARSINE AND PHOSPHINE VAPORS)

### TOOLS AND ACCESSORIES - Included

Part#	Qty	Description
381050	1	NITRILE SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10'(3m) FOR Ø1.5"(38mm) CAMLOCK INTAKE -ALUMINUM
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
381190	1	CONICAL NOZZLE ASSEMBLY 6"(15.2cm) -NITRILE
381219	1	CONICAL NOZZLE ASSEMBLY 21"(53.3mm) -NITRILE
211065	1	GROUND CONTINUITY TESTER

### GROUNDING REEL - Optional

Part#	Qty	Description
211191	1	GROUNDING REEL WITH STAINLESS STEEL CABLE WITH AIRCRAFT GROUNDING CLAMP 50'(15m)

## 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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