



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



EXP1 Series IECEX Certified Ex d IIA T4 Gb Ex t IIIC T 120°C Db IP65 Vacuum Cleaner certified for providing an Equipment Protection Level of EPL Db and EPL Gb

CE 0081 Ex II 2 G/D Ex d IIA T4 Gb
Ex t IIIC T120°C Db IP65
LCIE 03 ATEX 6297

Characteristics



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



ULPA Optional



Dry Recovery



Stainless Steel AISI 304



Static Dissipating Toolkit



High Efficiency



Detachable Tank



Cleanroom Applications



Pharma Applications



- 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.
- *Cleanroom compatible. Can be used in the pharmaceutical industry.
- Designed for applications where finely pulverized dust is to be recovered
- Single phase explosion proof/dust ignition proof motor
- Manual Filter Shaker (MFS) system with Star Shaped Main Filter
- For dry recovery only
- All stainless steel SAE 304 construction
- Detachable recovery tank (DT). Recovery capacity of 6.5 gallons (25 liters)
- Equipped with an SD* polyliner and clip for easy and safe disposal of recovered materials
- Equipped with an SD* 4-wheel stainless steel cart
- FOD stainless steel tool basket
- Equipped with a 50' power cable (no plug)
- Complete static dissipating tool kit and suction hose included

SD* Static Dissipative

All stainless steel SAE 304 construction including cart. Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA (H14) Filter located downstream of the motor. This unit is cleanroom compatible and can be used in the pharmaceutical industry. This unit has been designed for applications where finely pulverized dust is to be recovered. This dry only unit contains a Manual Filter Shaker (MFS) system and FOD Tool Basket. All of our HEPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

High Efficiency Particulate Air Filter

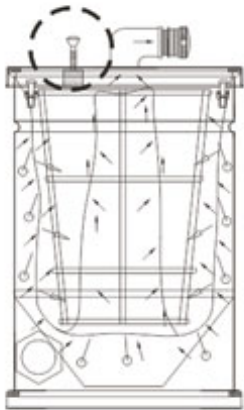
A HEPA filter is a type of air filter, which means it filters the air coming in or out of the vacuum cleaner system. It can remove at least 99.99% of dust, pollen, mould, bacteria and any other airborne particles with a size of 0.3 micron or larger.

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.

Manual Filter Shaker System

(illustration shows a top-mounted shaker)



The Manual Filter Shaker system allows the operator to clean the main filter without having to open the vacuum cleaner. This shaker System reduces maintenance down time.

The Manual Filter Shaker System consists of a spring action mechanism operating directly onto the filter cage located inside of the filter chamber. The system is operated by pressing on the ergonomic handle located on the side or top of the filter chamber.

The Manual Filter Shaker dislodges the accumulated caked-on dust from the filter thus improving the filter's performance.

The filter, along with the filter cage, can be easily removed from the filter chamber and washed with lukewarm water and mild detergents.

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 its 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.

Detachable Recovery Tank



Many of our vacuum cleaners come equipped with a detachable tank for the easy disposal of recovered materials. Our detachable tanks range in size from 20 to 160 liters (5.28 gal to 42.25 gal) and are available in stainless steel or powder coated, with or without wheels for maneuverability.



Arc Technologies

Worldwide Technology For Controlled Environments

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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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