

**Tiger-Vac**<sup>®</sup>  
*...The name to vacuum with*

LEADING MANUFACTURER  
of LEGALLY CERTIFIED VACUUM CLEANERS  
for CONTAMINATION CONTROLLED ENVIRONMENTS  
and HAZARDOUS LOCATIONS / AREAS

# FOOD & PHARMA

FOOD PROCESSING | PACKAGING | PHARMA PROCESSING | BIOTECHNOLOGY  
CONTAMINATION CONTROLLED ENVIRONMENTS





Tiger-Vac® sold its first Vacuum Cleaner in 1969; Having been in business for 50 years, we have come to know our industry very well. Our customers demand a commitment to manufacturing and delivering quality vacuum cleaners that suit their various needs. Being ISO 9001:2015, CSA®, ATEX, IECEx, and NRTL (Nationally Recognized Testing Laboratory) worldwide certified, we have not only met these demands but exceeded them.

We continuously strive to improve upon our existing products and pride ourselves on the expertise we have developed to design new systems to serve ever changing industries.

Respectfully,

Rocco Mariani  
PRESIDENT

A handwritten signature in blue ink, appearing to read "R. Mariani".

Our specialty  
lies in our ability  
to tailor our vacuum  
cleaners to meet  
your specialized  
needs.



CD-1200 EX  
CAT. 2 GD • Z1/21

POWERHEAD	ELECTRIC
TEFC MOTOR	YES
VOLTAGE	400 V
HERTZ	50 Hz
PHASE	Three
WATTAGE	4000 W
POWER	4 kW
AMPERAGE	8.7 amps.
AIR FLOW	2000 m³/h
SOUND LEVEL	74 dB(A)
SUCTION INLET	2 in. x 6 in.
RECOVERY DRAWER	Dry (10L)
FILTER CLEANING	MRP
CORD LENGTH	10 m



Portable Low Pressure  
Explosion Proof Dust Collector  
from 1020 to 2040 M³/h

- Designed to capture airborne dusts. Low pressure · High flow rate 1200 CFM (2000 M³/h).
- Filter Cartridge pulse cleaning by compressed air (manual or with automatic timer) with 10L air tank.
- Filter cartridge made of conductive aluminized spun bond material. Optional Hemipleat cartridge available.
- Heavy Duty stainless steel construction (Type 304).
- Heavy Duty wheels and swivel castors. (2 conductive wheels, with brakes).
- Continuous Duty 3-Phase (TEFC) Explosion Proof / Dust ignition Proof motor. Third Party Certified.
- Thermal overload for motor.



## Preventive Maintenance in Food Processing

Cross-contamination can occur at virtually any stage in the flow of food processing. Understanding how it can happen makes prevention easier.



To combat contamination, you must create appropriate cleaning and hygiene procedures by choosing the right Vacuum Cleaner.

STAINLESS STEEL • WHITE POWDER COATED • STAINLESS STEEL & WHITE POWDER COATED



**HEPA FILTER**  
EFFICIENCY OF 99.995% ON 0.3 MICRON  
TESTED: IEST RP-CC001 H14 BY MPPS METHOD  
AS PER EN 1822 AND OSHA COMPLIANT.  
ALL OF OUR HEPA VACUUM CLEANERS ARE  
AEROSOL LEAK TESTED BEFORE LEAVING OUR FACILITY.



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**GUARANTEED FOR THE SAFE RECOVERY OF COMBUSTIBLE DUST / CONDUCTIVE DUST**



CD-10/7 EX  
(APS EXTENDED)  
CAT. 2 GD - Z1/21  
Automatic Purge  
Filter Cleaning  
System

Food / Pharma Processing  
Integrated Removal

- Less than 10 Ohms of resistivity.
- Continuous Duty - 3-Phase (TEFC)  
Explosion Proof / Dust Ignition Proof motor - Third Party Certified.
- Automatic Purge Filter Cleaning System with 3 aluminized spun bond filter cartridges.  
(with 3 Fully Integrated Diaphragm Valves).
- Equipped with a see through Polyester Safety Filter Element located upstream.
- Motor and Switch Box for use in presence of Conductive Metal Dusts requires IP65 for Dust Group IIIC.
- For Dry Recovery only.  
(liquids can be recovered into a separate tank).
- Detachable Recovery Tank for easy disposal of Recovered Materials.

This model can be used to Recover Combustible Dusts such as Dust Groups:

- **IIIA Combustible Flyings**  
(lints of cotton, wood chips, etc.)
- **IIIB Non-Conductive Dusts**  
(flour dust, grain dust, flour, sugar, starch, wood, plastic, carbonaceous dusts, coal, carbon black).
- **IIIC Conductive Dusts**  
(combustible metal dust, aluminum, magnesium, commercial alloys).

## Maintaining the Highest Standards

It is extremely important that people working in food processing industries uphold the highest standards to ensure food safety.

Policies outlining employee health must be created and routinely reinforced to reduce the risk of potential contamination. Tiger-Vac® has the Solution.

INTEGRATED REMOVAL



Ex d IIB T4 GB  
Ex t IIIC T135°C Db IP65  
**IECEx LCIE 10.0040 X**  
CERTIFIED FOR PROVIDING  
AN EQUIPMENT PROTECTION  
LEVEL OF EPL DB AND EPL GB



CE 0081 II 2 GD  
Ex d IIB T4 Gb  
Ex tb IIIC T135°C Db IP65  
**LCIE 03 ATEX 6295**



**GUARANTEED FOR  
THE SAFE RECOVERY  
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CONDUCTIVE DUST**



**STATIC DISSIPATIVE  
POWDER COATING  
TO PREVENT  
ELECTROSTATIC  
DISCHARGE**



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# Explosion Proof / Dust Ignition Proof

Explosion Proof / Dust Ignition Proof means that all the external parts, and components, for any type of equipment, including vacuum cleaners, will not create a spark or be a source of fire or explosion when operated inside or outside of Hazardous Locations/Areas.

All electrical devices, components, or parts, must be individually Certified by a Nationally Recognized Testing Laboratory (NRTL).

At this time, only an NRTL can issue a Legal Certification as per NFPA / NEC / ATEX standards.

The Type of Hazard is defined as such:

Explosion Proof Hazard  
Class I • Class II (North America)  
Zones 1 / 21 (Europe)  
Fire Hazard  
Class III (North America).

Please note the following for Pneumatic (air operated) models. There are currently no standards in North America for non-electrical equipment. Certification for these types of vacuum cleaners are available in other countries. These certifications are an equivalent of NRTL in North America. There is also an international standard by the International Electrotechnical Commission (IEC).



## IMPORTANT

The NRTL does not certify how to Safely Recover Dusts and Solvents, such as Combustible/Conductive Dust, Fuel, Solvents, Vapors, etc., inside the vacuum cleaner's Recovery Tank. It is the responsibility of the equipment manufacturer to make sure the type of equipment supplied is suitable to the customers needs.

Please make sure to always read the instruction manual for any equipment that is rated to be used in hazardous locations and for further details on what it can and cannot be used for.



### Class II Group E

Atmospheres containing combustible metal dusts, including aluminum, magnesium, and their commercial alloys, or other combustible dusts whose particle size, abrasiveness, and conductivity present similar hazards in the use of electrical equipment.

### Class II Group F

Atmospheres containing combustible carbonaceous dusts such as coal, carbon black, charcoal, and coke dusts.

### Class II Group G

Atmospheres containing combustible dusts not included in Group E or Group F, including flour, grain, wood, plastic, and chemicals.



## GUARANTEED

FOR THE SAFE RECOVERY OF  
COMBUSTIBLE/CONDUCTIVE DUSTS

CD-EUR-36L EX  
DT (MFS) ULPA • SS CART

POWERHEAD	ELECTRIC
TEFC MOTOR	YES
VOLTAGE	480 V
HERTZ	50 Hz
PHASE	Three
WATTAGE	2200 W
POWER	2.2 kW
AMPERAGE	4.8 amps.
AIR FLOW	212 m³/h
VAC. PRESSURE	2540 mm H2O
VRV SETTING	1780 mm H2O
SOUND LEVEL	72 dB(A)
SUCTION INLET	50 mm
RECOVERY TANK	Dry (36L)
CART TYPE	Detachable Tank
CORD LENGTH	10 m



PNEUMATIC  
(AIR OPERATED)



MERSORB®  
Activated Carbon

Units designed for Mercury Recovery include Mersorb® brand Activated Carbon for the adsorption of Mercury Vapours.

Single or 3Phase  
TEFC Explosion Proof /  
Dust Ignition Proof motor

- Less than 10 Ohms of resistivity.
- Continuous Duty Single or 3-Phase (TEFC) Explosion Proof / Dust Ignition Proof motor.
- Muffler Assembly made of Stainless Steel with sound insulating foam (included to ensure quiet operation).
- Cleanroom compatible with ISO Class 4. (can be used in the pharmaceutical industry).
- Manual Filter Shaker System.
- Static Dissipative washable Main Filter is contained within a removable Filter Chamber.
- Detachable Recovery Tank.
- Static Dissipative Polyliner and clip available for the easy and safe disposal of recovered materials.



- Carriage with Suspended Motor Top (includes Static Dissipative wheels).
- Motor and Switch for use in presence of Conductive Metal Dusts available.

North-America: **Class II • Group E**  
Europe: **Dust Group IIIC**

# Preventive Maintenance in Pharma Processing

An effective maintenance plan ensures the seamless functioning of the entire production cycle.  
Maintaining tight industry standards for sanitation and environmental safety.



Cleaning of the production area must be undertaken to ensure product integrity by choosing the right Vacuum Cleaner.

DUST EXTRACTION • SAFE CONTAINMENT • RECOVERY OF HAZARDOUS MATERIAL / GAS / VAPOR



**HEPA FILTER**  
EFFICIENCY OF 99.995% ON 0.3 MICRON  
TESTED: IEST RP-CC001 H14 BY MPPS METHOD  
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## CD-230V EX (MRPFT) PHARMA

POWERHEAD	ELECTRIC
TEFC MOTOR	YES
VOLTAGE	230 V
HERTZ	50 Hz
PHASE	Single
WATTAGE	1500 W
POWER	1.5 kW
AMPERAGE	12.3 amps.
AIR FLOW	212 m³/h
VAC. PRESSURE	2540 mm H2O
VRV SETTING	1780 mm H2O
SOUND LEVEL	68 dB(A)
SUCTION INLET	50 mm
RECOVERY TANK	Dry (50L)
CORD LENGTH	10 m

Single Phase  
TEFC Explosion Proof /  
Dust Ignition Proof motor

- Less than 10 Ohms of resistivity.
- ULPA Filter Efficiency of 99.999% on 0.12 micron. Filtration efficiency of 99.9995% on 0.18 micron. Tested: IEST-RP-CC001, U15 by MPPS method as per EN 1822.
- Includes a Muffler for noise reduction.



- Available with a Conductive Filter Bag (CFB), or Manual Reverse Purge with Filter Tubes system.
- Designed to be attached to process machines and for General Cleanup.
- Can also be used for the Recovery of Tablets in the Pharmaceutical Industry.
- Continuous Duty Single Phase (TEFC) Explosion Proof / Dust ignition Proof motor. Third Party Certified.
- Dry Recovery only.
- Static Dissipative Polyliner and clip included for the easy and safe disposal of recovered materials.
- Includes a complete Static Dissipative tool kit.
- Motor and Switch for use in presence of Conductive Metal Dusts available.

North-America: **Class II - Group E**

Europe: **Dust Group III C**



EMI/RFI  
Shielded

Protection from disturbance generated by an external source (vacuum cleaner) that affects an electrical circuit by electromagnetic induction, electrostatic coupling, or conduction.



# Indispensable Cleaning Tool in Controlled Environments

Basic requirements for Portable Vacuum Systems focus on the Filtration System.

Meeting Cleanroom Standards for particle emissions. | 4 Stage or 5 Stage Filtration Systems.

CONTAMINATION CONTROL SPECIALISTS RECOMMEND THE USE OF A PORTABLE VACUUM CLEANER SYSTEM.



Safer transfer of bulk dry materials  
as well as delivering solutions for  
maintaining tight industry standards  
for sanitation and environmental safety.

CONTAMINATION LEVEL CONTROL • SAFE CONTAINMENT • COMPATIBLE WITH ISO CLASS 4



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