



ATEX 3rd Party Certified  
CE 0081 II 2 GD  
Ex d IIB T4 Gb  
Ex tb IIIC T135°C Db IP65  
**LCIE 03 ATEX 6295**



CD EX Series IECEx 3rd Party Certified  
Ex d IIB T4 Gb  
Ex t IIIC T135°C Db IP65  
**IECEx LCI 10.0040 X**  
Certified for providing an Equipment Protection Level of EPL Db and EPL Gb



**GUARANTEED** for the Safe Recovery of Combustible/Conductive Dusts

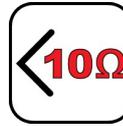
**ESD Safe** Vacuum Cleaners for Hazardous Locations are designed to prevent ignition hazards. We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)



## Characteristics



EX Certified



Less than 10 ohms



Cleanroom Compatible



Pharma Applications



Continuous Duty



Dry Recovery



SS 304



Detachable Tank



HEPA Filter Available  
HEPA - Optional



ULPA - Included

- Legally certified explosion proof/dust ignition proof.
- Less than 10 Ohms of resistivity.
- Continuous Duty 3-Phase (TEFC) Explosion Proof/Dust ignition Proof motor. Third Party Certified
- ULPA Filter - With an 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. All of our ULPA Vacuum Cleaners are Aerosol Leak Tested before leaving our facility - Included
- \*Cleanroom compatible with ISO Class 4 (former Class 10). Can be used in the Pharmaceutical Industry with optional stainless steel Type 304 cart
- Manual Reverse Purge (MRP) with SD\* Reverse Purge Cartridge.
- Available with Automatic (ARP) Reverse Purge Filter Cleaning system
- SD\* Conductive Aluminized Spun Bond Reverse Purge Cartridge is contained within a removable Filter Chamber.
- All Stainless Steel Type 304 construction (except cart).
- Detachable Recovery Tank (DT) for easy disposal of recovered materials
- SD\* Polyliner and clip available for the easy and safe disposal of recovered materials.
- Vertical mounting for areas with space constraints.
- Equipped with a Carriage with Suspended Motor Top (CSMT). Includes static dissipative wheels
- Optional Ø1.5" (Ø38mm) or Ø2" (Ø50mm) tools/accessories.
- Motor and switch for use in presence of conductive metal

dusts available. North-America: Class II, Group E;  
Europe: Dust group III C

- Other motor performances available.

## Specifications

CD/EUR-50L EX DT (MRP) ULPA	111625B1	111629B1	111633B1
<b>Model Name</b>	CD/EUR-50L EX DT (MRP) ULPA Z22	CD/EUR-50L EX DT (MRP) ULPA Z21	CD/EUR-50L EX DT (MRP) ULPA Z1-2-21-22
<b>Type (Powerhead)</b>	Electric	Electric	Electric
<b>TEFC Motor</b>	Yes	Yes	Yes
<b>Voltage</b>	400 V	400 V	400 V
<b>Hertz</b>	50 Hz	50 Hz	50 Hz
<b>Phase</b>	Three	Three	Three
<b>Wattage</b>	4000 W	4000 W	4000 W
<b>Power</b>	4 kW	4 kW	4 kW
<b>Amperage</b>	8.2 amps.	8.2 amps.	8.7 amps.
<b>Air Flow</b>	299 m <sup>3</sup> /h	299 m <sup>3</sup> /h	299 m <sup>3</sup> /h
<b>Vacuum Pressure</b>	3380 mm H <sub>2</sub> O	3380 mm H <sub>2</sub> O	3380 mm H <sub>2</sub> O
<b>VRV Setting</b>	2030 mm H <sub>2</sub> O	2030 mm H <sub>2</sub> O	2030 mm H <sub>2</sub> O
<b>Sound Level</b>	75 dB(A)	75 dB(A)	75 dB(A)
<b>Plug Type</b>	Not Included	Not Included	Not Included
<b>Suction Inlet</b>	63.5 mm	63.5 mm	63.5 mm
<b>Cart Type</b>	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)
<b>Filter Cleaning</b>	Manual Reverse Purge (MRP)	Manual Reverse Purge (MRP)	Manual Reverse Purge (MRP)
<b>Dry Recovery - Tank</b>	50 L	50 L	50 L
<b>Length</b>	81 cm	81 cm	81 cm
<b>Width</b>	69 cm	69 cm	69 cm
<b>Weight (Vacuum Only)</b>	60 kg.	60 kg.	60 kg.
<b>Height</b>	210 cm	210 cm	210 cm
<b>Cord Length</b>	10 m	10 m	10 m

Please note that specifications are subject to change without notice

## Use only recommended tools & accessories



CD/EUR-50L EX DT next to an average sized man



CD/EUR-50L EX DT with Recovery Tank and Filter Chamber removed



CD/EUR-50L EX DT with Recovery Tank removed



Conductive Aluminized Spun Bond Reverse Purge Cartridge (shown with and without optional skirt) - Included



Ø2" (Ø50mm) Static Dissipative Tools and Accessories - Optional

### European Headquarters

**Tiger-Vac Europa S.R.L.**  
Via Marie Curie 17  
Zona Industriale Ponte Rizzoli  
Ozzano Emilia, BO 40064

Tel: ((39) 051 79.53.52)  
Fax: ((39) 051 4695077)  
Website: <http://www.tiger-vac.eu>  
Email: [info@tiger-vac.it](mailto:info@tiger-vac.it)

### International Headquarters

**Tiger-Vac International Inc.**  
2020 Dagenais Blvd. Ouest  
Laval, Quebec  
Canada H7L 5W2

Tel: (450-625-0099)  
Fax: (450-625-3388)  
Website: <http://www.tiger-vac.com>  
Email: [sales@tiger-vac.com](mailto:sales@tiger-vac.com)



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**CD EX Series IECEx 3rd Party Certified**  
Ex d IIB T4 Gb  
Ex t IIIC T135°C Db IP65  
**IECEx LCI 10.0040 X**  
Certified for providing an Equipment  
Protection Level of EPL Db and EPL Gb



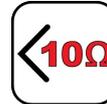
**GUARANTEED** for the Safe Recovery  
of Combustible/Conductive Dusts

**ESD Safe** Vacuum Cleaners for Hazardous  
Locations are designed to prevent ignition  
hazards.

We use metal parts or Static Dissipative  
Powder Coating to prevent Electrostatic  
Discharge (ESD)



EX Certified



Less than 10  
ohms



Cleanroom  
Compatible



Pharma  
Applications



Continuous  
Duty



Dry Recovery



SS 304



Detachable  
Tank



HEPA -  
Optional



ULPA -  
Included

## Specifications for CD/EUR-50L EX DT (MRP) ULPA

Name	Part Number	Voltage	Hertz	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Plug Type	Dry Recovery - Tank
CD/EUR-50L EX DT (MRP) ULPA Z22	111625B1	400 V	50 Hz	Three	4000 W	4 kW	8.2 amps.	299 m <sup>3</sup> /h	3380 mm H <sub>2</sub> O	Not Included	50 L
	Dimensions: H210 cm x W69 cm x L81 cm    Weight: 60 kg.    Sound Level: 75 dB(A)										
CD/EUR-50L EX DT (MRP) ULPA Z21	111629B1	400 V	50 Hz	Three	4000 W	4 kW	8.2 amps.	299 m <sup>3</sup> /h	3380 mm H <sub>2</sub> O	Not Included	50 L
	Dimensions: H210 cm x W69 cm x L81 cm    Weight: 60 kg.    Sound Level: 75 dB(A)										
CD/EUR-50L EX DT (MRP) ULPA Z1-2-21-22	111633B1	400 V	50 Hz	Three	4000 W	4 kW	8.7 amps.	299 m <sup>3</sup> /h	3380 mm H <sub>2</sub> O	Not Included	50 L
	Dimensions: H210 cm x W69 cm x L81 cm    Weight: 60 kg.    Sound Level: 75 dB(A)										

Please note that specifications are subject to change without notice

## Technical Sheet for CD/EUR-50L EX DT (MRP) ULPA

### ULPA FILTER AND ACCESSORIES - Included

Part #	Description
212203	ULPA FILTER (U15), 11"(28cm)

### REVERSE PURGE FILTER CARTRIDGE - Included

Part #	Description
214219A	FILTER CARTRIDGE, COND. ALUMINIZED SPUN BOND POLYESTER, 18"H x 6.73"ID x 11.085"OD, w/GASKET 13.6SF

**SKIRT FOR REVERSE PURGE FILTER CARTRIDGE - Optional**

Part #	Description
214221	SD* SKIRT FOR FILTER CARDRIDGE, 18" HIGH X 11.085" OD

**MUFFLER - Optional**

Part #	Description
214735	MUFFLER ASSEMBLY FOR RE EXHAUST SYSTEM, STAINLESS STEEL WITH SOUND INSULATING FOAM

**POLY LINER RECOVERY BAGS AND ACCESSORIES - Optional**

Part #	Description
212100CS	CONDUCTIVE POLY LINER WITH DRAW STRING (35/38 LITRES)
213780	POLY LINER RETAINER PLATE ASSEMBLY (FOR USE WITH MOTORS UP TO 5HP)

**GROUND CONTINUITY TESTER - Included**

Part #	Description
211065B	MULTIMETER

**Ø1.5" (Ø38mm) STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIIVITY OF 10/3 - 10/5) - Optional**

Part #	Description
383441F	CRUSHPROOF SUCTION HOSE ASSMBLY 1.5"(38mm) x 10'(3m), STATIC CONDUCTIVE, FOR 2.5" CAMLOCK INTAKE
381364	DOUBLE BEND WAND ASSEMBLY (2pc) 1.5"(38mm) x 54"(137cm), STAINLESS STEEL w/ALUMINUM TOOL COUPLING
381236	UNIVERSAL TOOL SD* w/CONDUCTIVE BRUSH STRIPS, RUBBER BLADES, BRASS AXLE & WHEELS, 1.5" x18",ALUMINUM
381188	CREVICE TOOL SD*, 1.5" (38mm) x 11" (28cm), ALUMINUM
381185A	DUSTING BRUSH, SD*, WITH STAINLESS STEEL COUPLING, WITH CONDUCTIVE BRISTLES, 5"(12.5cm), ALUMINUM

**Ø1.5" (Ø38mm) EXPLOSION PROOF TOOLS & ACCESSORIES - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL & PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Optional**

Part #	Description
381401D	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x15'(4.5m)W/HOSE CUFF&RING FOR USE W/2.5"(64mm)CAMLOCK
381364A	WAND ASSEMBLY (2pc), 1.5" X 54", S/S WITH ALUMINUM TOOL COUPLING, w/TAPER FOR USE w/HOSE CUFF w/RING
381236	UNIVERSAL TOOL SD* w/CONDUCTIVE BRUSH STRIPS, RUBBER BLADES, BRASS AXLE & WHEELS, 1.5" x18",ALUMINUM
381372D	CREVICE TOOL, 1.5"(38mm) x 11"(28cm), STAINLESS STEEL, FOR USE WITH HOSE CUFF WITH RING
381185DA	ROUND BRUSH, ALUMINUM SD*, 5"(12.5cm), WITH CONDUCTIVE BRISTLES, FOR USE w/HOSE CUFF w/RING

**Ø2" (Ø50mm) STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIIVITY OF 10/3 - 10/5) - Optional**

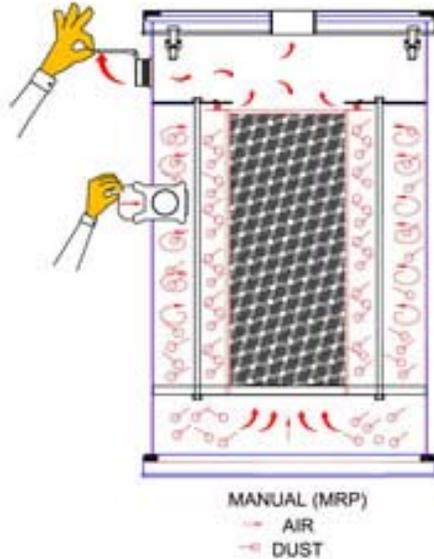
Part #	Description
500540D	CRUSHPROOF SUCTION HOSE ASSEMBLY 2"(50mm) x 15'(4.5m) STATIC CONDUCTIVE, FOR 2.5" CAMLOCK INTAKE
500160	WAND ONLY, SINGLE BEND, 2"(50mm) x 48" (122cm), ALUMINUM, WITH TAPER FOR FLOOR TOOL
500161A	UNIVERSAL TOOL Ø2"(50mm)x20"(51cm)SD* NO COUPLING WITH BRASS WHEELS&CONDUCTIVE BRISTLES&RUBBER BLADE
500156B	CREVICE TOOL SD* (NO COUPLING) Ø2"(50mm)x15"(38cm) -ALUMINUM
501184A	DUSTING BRUSH ALUMINUM SD* Ø2"(50mm)x5"(12.7cm)WITH CONDUCTIVE BRISTLES & TUBE FOR PRESSURE FIT
500230	CONICAL NOZZLE RUBBER SD* ASSEMBLY Ø2"(50mm)x7.5"(19cm) WITH Ø2"(50mm)PRESSURE FIT ALUM. CONNECTOR
500234	TIGER-CLAW RUBBER SD* ASSEMBLY Ø2"(50mm)x4.5"(11.5cm)WITH Ø2"(50mm)PRESSURE FIT ALUMINUM CONNECTOR
501200A	UTILITY TOOL SD* Ø2"(50mm)x8"(20.3cm) WITH CONDUCTIVE BRISTLES & TUBE FOR PRESSURE FIT -ALUMINUM

**Ø2" (Ø50mm) EXPLOSION PROOF TOOLS & ACCESSORIES - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL & PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Optional**

Part #	Description
500306D	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø2"(50mm)x15'(4.5m)WITH Ø2.5"(64mm)FEMALE CAMLOCK,HOSE CUFF&RING
500160SS	WAND ONLY SINGLE BEND Ø2"(50mm)x48"(1.2m) -STAINLESS STEEL AISI 304 FOR HOSE CUFF & RING
500161A	UNIVERSAL TOOL Ø2"(50mm)x20"(51cm)SD* NO COUPLING WITH BRASS WHEELS&CONDUCTIVE BRISTLES&RUBBER BLADE
500558	CREVICE TOOL Ø2"(50mm)x15"(38cm) -STAINLESS STEEL AISI 304
501184DA	DUSTING BRUSH ALUMINUM SD* 2"(50mm) x 5"(13cm) w/CONDUCTIVE BRISTLES, FOR USE w/HOSE CUFF w/RING
500230D	CONICAL NOZZLE ASSEMBLY -CONDUCTIVE RUBBER Ø2"(50mm)x7.5"(19cm)FOR USE WITH HOSE CUFF & RING
500234D	TIGER-CLAW RUBBER SD* ASSEMBLY Ø2"(50mm)x4.5"(11.5cm) FOR USE WITH HOSE CUFF & RING
500154DA	UTILITY TOOL SD* Ø2"(50mm)x8"(20.3cm) WITH CONDUCTIVE BRISTLES FOR USE WITH HOSE CUFF & RING

## Manual Reverse Purge (MRP) System

### Can be used in Hazardous and Ordinary Locations/Areas



The Manual Reverse Purge (MRP) System allows for the cleaning of caked-on powder off of the filter thus maximizing performance. The filter cleaning is achieved by having the air intake reversed through the filter thus purging the clogged filter.

The Manual Reverse Purge (MRP) works by :

- 1 - Closing the slider on the opening to block the suction intake orifice for approximately 5 seconds while the vacuum is running and then
- 2 - Quickly opening the Purge Valve. Air is now flowing backwards through the filter via the valve removing any caked on dust particles

Keep Purge Valve open for 1-2 seconds then close (repeat above steps 2 or 3 times). Reverse Purge System will cause dust to fall off of the filter.

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