

### Characteristics



**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



Cleanroom Applications



Pharma Applications



Explosion Proof



Resistivity: Less than 10 ohms



ULPA Included



Wet & Dry Applications



Stainless Steel AISI 304



Static Dissipating Toolkit



High Efficiency

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



- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- 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
- Single phase explosion proof/dust ignition proof motor
- Available with Middle Ring with Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors
- For wet and dry recovery
- All stainless steel SAE 304 construction
- Recovery tank capacity of 10 - 15 gallons (38 - 57 liters)
- Optional SD\* polyliner and clip available for easy and safe disposal of recovered dry materials
- Based on an SD\* 4-wheel dolly for easy manoeuvrability
- Complete static dissipating autoclavable tool kit and suction hose included

SD\* Static Dissipative

All stainless steel SAE 304 construction. Less than 10 Ohms of resistivity. These units are equipped with a true ULPA Filter (U15) located downstream of the motor. These units are also available with a Middle Ring with Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors. These units are cleanroom compatible, autoclavable and can be used in the pharmaceutical industry. These are wet & dry vacuum cleaners. Recovery capacity of 10 - 15 gallons (38 - 57 liters). All of our ULPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

## Specifications

Unit	EXP1-15 CR	EXP1-10 CR (MRAC)	EXP1-15 CR (MRAC)
Part#	110254B	110343B	110349B
Filter Cleaning	NONE	NONE	NONE
Decibels	dB	75	75
Wet Recovery	L	47.3	47.3
Dry Recovery	L	37.9	37.9
Vacuum Pressure	mm H <sub>2</sub> O	1554	1554
Air Flow	m <sup>3</sup> /h	224	224
Phase	Single	Single	Single
Horse Power	HP	1.3	1.3
Amperage	A	4.5	4.5
Wattage	W	1000	1000
Hertz	Hz	50	50
Voltage	V	230	230
Plug	Not Inc.	Not Inc.	Not Inc.

## 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.

## 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.

### ULPA FILTER - Included

Part#	Qty	Description
211027	1	ULPA FILTER (U15)

<b>HEPA FILTER - INTERNAL - FOR USE WITH MIDDLE RING - Optional</b>		
Part#	Qty	Description
211027B	1	HEPA FILTER (H14)

<b>FILTERS - Included</b>		
Part#	Qty	Description
211013B	1	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS WITH STAINLESS STEEL RING
212008B	1	PRE-FILTER ASSEMBLY SD* WITH STAINLESS STEEL RING (10,15&25 GALLON)
211010B	1	LIQUID FILTER ASSEMBLY SD* WITH STAINLESS STEEL RING FOR 10/15/25 GAL EXP PROOF VACS

<b>POLY LINER RECOVERY BAGS AND ACCESSORIES FOR MODEL EXP1-10 CR SERIES - Optional</b>		
Part#	Qty	Description
212100A	1	CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET
213780	1	POLY LINER RETAINER PLATE WITH CLIP

<b>POLY LINER RECOVERY BAGS AND ACCESSORIES FOR MODEL EXP1-15 CR SERIES - Optional</b>		
Part#	Qty	Description
212100B	1	CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET
213780	1	POLY LINER RETAINER PLATE WITH CLIP

<b>ACTIVATED CARBON CARTRIDGES FOR MODELS EXP1-10/15 CR (MRAC) - Optional</b>		
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)

<b>DRAIN HOSE ASSEMBLY - Optional</b>		
Part#	Qty	Description
211815	1	EPDM DRAIN HOSE ASSEMBLY Ø0.75"(19mm)x5'(1.5m)

<b>Ø1.25" (32mm) CLEANROOM TOOLS AND ACCESSORIES - Included</b>		
Part#	Qty	Description
323455	1	EPDM HOSE ASSEMBLY, SD*, AUTOCLAVABLE Ø1.25"(32mm)x10'(3m) WITH SS SWIVEL CAMLOCK & CURVED HANDLE
323330	1	EXTENSION WANDS, BOTH STRAIGHT, (SET OF 2), Ø1.25"(32mm) -STAINLESS STEEL
323412	1	FLOOR TOOL ASSEMBLY, AUTOCLAVABLE, Ø1.25"(32mm)x12"(30cm) -STAINLESS STEEL
323413	1	CREVICE TOOL, AUTOCLAVABLE, Ø1.25"(32mm)x10"(25.4cm) -STAINLESS STEEL
211701	1	DEFOAMING LIQUID (BOTTLE) 909 ml(31 fl oz.)
211065B	1	MULTIMETER

<b>Ø1.5" (38mm) CLEANROOM TOOLS AND ACCESSORIES - Optional</b>		
Part#	Qty	Description
381385	1	EPDM SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10'(3m) WITH SS FEMALE CAMLOCK & SS FEMALE SCREW TYPE
381366	1	WAND ASSEMBLY Ø1.5"(38mm)x54"(1.4m) WITH STAINLESS STEEL ATTACHEMENT (2PCS) -STAINLESS STEEL
381370	1	FLOOR TOOL ASSEMBLY WITH RUBBER BLADES AND WHEELS Ø1.5"(38mm)x14"(35.6cm) -STAINLESS STEEL
381372	1	CREVICE TOOL Ø1.5"(38mm)x11"(27.9cm) -STAINLESS STEEL

## **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.