

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

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



HEPA
Optional



Pharma
Applications



Cleanroom
Applications



Explosion
Proof



ULPA
Optional



Resistivity:
Less than 10
ohms



Dry
Recovery



- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- Less than 10 Ohms of resistivity
- HEPA Filter - Optional 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. Or
- *Cleanroom compatible. Can be used in the pharmaceutical industry
- For general cleanup in hazardous locations
- Single phase explosion proof/dust ignition proof motor
- For dry recovery only. Liquid recovery conversion kit optional
- All stainless steel SAE 304 construction (except cart). Stainless steel cart available
- Recovery tank capacity of 10 gallons (38 liters)
- Optional SD* poly liner and clip available for easy and safe disposal of recovered materials
- Based on an SD* 4-wheel dolly
- Complete static dissipating tool kit and suction hose optional

SD* Static Dissipative

All stainless steel SAE 304 construction (except cart). Less than 10 Ohms of resistivity. This unit is equipped with an optional true HEPA Filter (H14) located downstream of the motor. This unit can be used for general maintenance in hazardous locations. This is a dry only recovery vacuum cleaner. Liquid recovery conversion kit optional. Recovery capacity of 10 gallons (38 liters). All of our HEPA vacuum cleaner are Aerosol Leak Tested before leaving our facility.

Specifications

	Unit	EXP1-10 (4W) BASE MODEL
Part#		111330B
Weight	lbs	82
Filter Cleaning		NONE
Decibels	dB	75
Dimensions	Inches	H33 × W18
Wet Recovery	Gal	7.5
Dry Recovery	Gal	6
Vacuum Pressure	Inches H ₂ 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 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.

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.



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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.

HEPA FILTER - Optional		
Part#	Qty	Description
211027B	1	HEPA FILTER (H14)

FILTERS AND ACCESSORIES - Included		
Part#	Qty	Description
211013A	1	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS WITH LACES (CAGE SOLD SEPARATELY)
212734A	1	STAINLESS STEEL CAGE FOR CLOTH FILTER -ELECTROPOLISHED

PRE-FILTERS - Optional		
Part#	Qty	Description
212008	1	PRE-FILTER ASSEMBLY SD* (10,15&25 GALLON)

EXHAUST FILTRATION - Optional		
Part#	Qty	Description
213034	1	ADAPTOR PLATE, WITH Ø2"(50mm) CAMLOCK VENTING EXHAUST FOR USE WITH RE SYSTEM -STAINLESS STEEL

POLY LINER RECOVERY BAGS AND ACCESSORIES - Optional		
Part#	Qty	Description
212100A	1	CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET
213780	1	POLY LINER RETAINER PLATE WITH CLIP

LIQUID RECOVERY CONVERSION KIT - Optional		
Part#	Qty	Description
214852	1	FLOATER AND CAGE ASSEMBLY FOR USE WITH SINGLE PHASE ELECTRIC EXPLOSION PROOF VACUUM
214854	1	0.75"(19mm) DRAIN VALVE ASSEMBLY FOR 4W SYSTEM
211010	1	LIQUID FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS

GROUND CONTINUITY TESTER - Included		
Part#	Qty	Description
211065B	1	MULTIMETER

STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISITIVITY OF 10/3 - 10/5) - Optional		
Part#	Qty	Description
383440	1	STATIC CONDUCTIVE CRUSHPROOF SUCTION HOSE ASSEMBLY(NO WIRE)Ø1.5"(38mm)x10'(3m) FOR 1.5" CAMLOCK IN
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
381185A	1	DUSTING BRUSH SD* WITH STAINLESS STEEL COUPLING & CONDUCTIVE BRISTLES 5"(12.5cm) -ALUMINUM
383462	1	CONICAL NOZZLE ASSEMBLY W/CURVED TIP, 10"(25cm) CONDUCTIVE RUBBER, FOR NON WIRE HOSE (323562+381155)



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

Part#	Qty	Description
381400A	1	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10'(3m)W/1.5"FEMALE CAMLOCK ALUMINUM,HOSE CUFF&RING
381364A	1	WAND ASSEMBLY (2PCS), STAINLESS STEEL w/ALUMINUM ATTACHMENT, w/TAPER FOR USE w/HOSE CUFF w/RING
381236	1	UNIVERSAL TOOL SD* W/CONDUCTIVE BRUSH STRIPS,RUBBER BLADES,BRASS AXLE&WHEELS Ø1.5"(38mm)x18"(45.7cm)
381372D	1	CREVICE TOOL, Ø1.5"(38mm)x11"(27.9cm) -STAINLESS STEEL (FOR USE WITH HOSE CUFF & RING)
381185DA	1	DUSTING BRUSH -ALUMINUM SD* 5"(12.5cm) WITH CONDUCTIVE BRISTLES FOR USE WITH HOSE CUFF & RING
383462D	1	CONICAL NOZZLE ASSEMBLY w/CURVED TIP 10"(25cm)CONDUCTVE RUBBER FOR HOSE CUFF&RING(383462M+381147D)

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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