

### 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



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



Dry Recovery



Stainless Steel



Static Dissipating Toolkit



High Efficiency



Shooting Range Approved

CE 0081 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
- 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.
- Designed for the recovery of flammable and toxic powders such as unspent gunpowder and lead contaminants
- Ideal for shooting ranges, army ammunition depots, manufacturers of firearms and pyrotechnic industries
- Single phase explosion proof/dust ignition proof motor
- For dry recovery only. Optional Floater System available for liquid recovery
- All stainless steel SAE 304 construction.
- Recovery capacity of 10.5 gallons (40 liters)
- Equipped with an SD\* polyliner and clip for easy and safe disposal of recovered materials
- Equipped with an SD\* 4-wheel dolly for easy maneuverability
- Complete static dissipating tool kit and suction hose included

SD\* Static Dissipative

All stainless steel SAE 304 construction (except cart). Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA (H14) Filter located downstream of the motor. This unit has been designed for the recovery of flammable and toxic powders such as unspent gunpowder and lead contaminants. This unit is ideal for shooting ranges, army ammunition depots, manufacturers of firearms and pyrotechnic industries. This unit includes poly liners for the safe and easy disposal of recovered materials. This is a dry recovery only vacuum cleaner. An optional Floater System can be installed for liquid recovery. All of our HEPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

## Specifications

	Unit	EXP1-40L (4W) RE HEPA (FR-P)	EXP1-40L (4W) RE HEPA (FR-P) W&D
Part#		111334B	111335B
Weight	lbs	76	83
Filter Cleaning		NONE	NONE
Decibels	dB	75	75
Dimensions	Inches	H41 × W29 × L19	H41 × W21 × L24
Wet Recovery	Gal	N/A	10
Dry Recovery	Gal	10	10
Vacuum Pressure	Inches H <sub>2</sub> O	61.18	61.18
Air Flow	CFM	131.84	131.84
Phase		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.

## 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.



**Arc Technologies**

Worldwide Technology For Controlled Environments

Web site: [www.arctechnologies.co.uk](http://www.arctechnologies.co.uk)

email: [achambers@arctechnologies.co.uk](mailto:achambers@arctechnologies.co.uk)

Tel: +(44)0115 928 1508

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

FILTERS AND ACCESSORIES FOR MODEL EXP1-40L (4W) RE HEPA (FR-P) - 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
212007	1	PRE-FILTER ONLY SD* (10,15&25 GALLON)

FILTERS FOR MODEL EXP1-40L (4W) RE HEPA (FR-P) W&D - Included		
Part#	Qty	Description
211013	1	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GALLON EXPLOSION PROOF VACS
211010	1	LIQUID FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS
212007	1	PRE-FILTER ONLY 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 - Included		
Part#	Qty	Description
212100S-5	1	CONDUCTIVE POLY LINER WITH DRAW STRING (40 LITRES/10 GALLONS)(PACKAGE OF 5)
213780	1	POLY LINER RETAINER PLATE WITH CLIP

EXPLOSION PROOF TOOLS AND ACCESSORIES - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL AND PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Included		
Part#	Qty	Description
381400B	1	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10'(3m)W/HOSE CUFF&RING, FOR USE WITH 2"(50mm)CAMLOCK
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)CONDUCTIVE RUBBER FOR HOSE CUFF&RING(383462M+381147D)
211065B	1	MULTIMETER

STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIVITY OF 10 <sup>3</sup> - 10 <sup>5</sup> ) - Optional		
Part#	Qty	Description
383440B	1	STATIC CONDUCTIVE CRUSHPROOF SUCTION HOSE ASSEMBLY(NO WIRE)Ø1.5"(38mm)x10'(3m) FOR 2" CAMLOCK INTAKE
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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email: [achambers@arctechnologies.co.uk](mailto:achambers@arctechnologies.co.uk)

Tel: +(44)0115 928 1508

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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email: [achambers@arctechnologies.co.uk](mailto:achambers@arctechnologies.co.uk)

Tel: +(44)0115 928 1508