



## EXP1-10 (4W) (RE) HEPA FOR POTENT POWDER RECOVERY









Potent Powder Recovery - Dry Only

CE 0081  II 2 G/D Ex d IIA T3 Ex tD A21  
IP6X – T 200°C  
LCIE 03 ATEX 6297

CE 0081  II 2 G/D Ex d IIA T4 Ex tD A21  
IP65 – T 120°C  
LCIE 03 ATEX 6297



**GUARANTEED** to be capable of safely recovering combustible/conductive dusts &/or flammable liquids.

Characteristics			
 HEPA Included	 Explosion Proof	 ULPA Optional	 Stainless Steel AISI 304
 Dry Recovery	 Resistivity: Less than 10 ohms	 Static Dissipating Toolkit	 High Efficiency



- 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. 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.
- Designed for the recovery of potent powders in hazardous locations
- Single phase explosion proof/dust ignition proof motor
- For dry recovery only
- All stainless steel SAE 304 construction
- Recovery tank capacity of 6 gallons (23 liters)
- Equipped with a conductive cloth recovery bag and SD\* poly liner and clip for easy and safe disposal of recovered materials
- Based on an SD\* 4-wheel dolly for easy manoeuvrability
- Complete static dissipating tool kit and suction hose included

SD\* Static Dissipative

EXP1-10 (4W) POTENT POWDERS Shown

All stainless steel SAE 304 construction. Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA Filter (H14) located downstream of the motor. This unit has been designed for the recovery of potent powders in hazardous locations. This is a dry only vacuum cleaner. Recovery capacity is 6 gallons (23 liters). All of our HEPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

## Specifications for model EXP1-10 (4W) (RE) HEPA FOR POTENT POWDER RECOVERY

Name	Part Number	Vacuum Pressure	Air Flow	Phase	Horse Power	Amperage	Wattage	Hertz	Voltage	Plug Type
EXP1-10 (4W) (RE) HEPA FOR POTENT POWDER RECOVERY	111333B	1554 mm H <sub>2</sub> O	62.2 L/s	1	1.3HP	4.5A	1000W	50Hz	230V	Not Inc.
Dimensions: N/A Weight: 0 Kg Noise Level: 0.00 dB(A)										

### 10 Ohms - 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.

### HEPA - 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 IES-RP-CC001.3.

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.

[Click here to download Tiger-Vac's HEPA Filter's standards chart.](#)

### ULPA - 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 IES-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.

### EX-MAT Recovery



Tiger-Vac, as the manufacturer, **GUARANTEES**, that these units of category 1 & 2, 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

## Tools & Accessories

TOOLS AND ACCESSORIES - Included		
Part#	Quantity	Description
381400A	1	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x10'(3m)W/1.5"FEMALE CAMLOCK ALUMINUM HOSE CUFF&RING
211030	1	AIR SUPPLY HOSE ASSEMBLY SD* Ø0.5"(12.7mm)x50'(15m) WITH 1 MALE QUICK DISC. & 1 FEMALE QUICK DISC.
381364A	1	WAND ASSEMBLY (2PCS) -STAINLESS STEEL WITH ALUMINUM ATTACHMENT & TAPER FOR USE WITH HOSE CUFF&RING
381236	1	UNIVERSAL TOOL SD* W/CONDUCTIVE BRUSH STRIPS RUBBER BLADES BRASS AXLE&WHEELS Ø1.5"(38mm)x18"(45.7c
381372D	1	CREVICE TOOL Ø1.5"(38mm)x11"(27.9cm) -STAINLESS STEEL (FOR USE WITH HOSE CUFF & RING)
381185D	1	Part description to come.
383462D	1	CONICAL NOZZLE ASMBLY w/CURVED TIP 10"(25cm) CONDUCTVE RUBBER FOR HOSE CUFF w/RING (383462M+381147D
211065	1	GROUND CONTINUITY TESTER

### Warning:

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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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