



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

CE II 2 G/D c IIC T6 (85°C)
LCIE 03 ATEX 6310

Characteristics



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



ULPA Optional



Dry Recovery



Stainless Steel AISI 304



Static Dissipating Toolkit



High Efficiency



- Legally certified explosion proof/dust ignition proof vacuum cleaner 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
- Pneumatically (air) operated
- 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* polyliner and clip for easy and safe disposal of recovered dry materials
- Based on 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. Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA Filter (H14) located downstream. 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

| | Unit | SS-10 (4W) (RE) HEPA FOR POTENT POWDER RECOVERY |
|-----------------------|-------------------------|---|
| Part# | | 110388 |
| Filter Cleaning | | NONE |
| Dry Recovery | Gal | 10 |
| Vacuum Pressure | Inches H ₂ O | 180 |
| Air Flow | CFM | 110 |
| Venturi | | Single |
| Minimum Compressor HP | HP | 15 |
| Air Line Size | | 1/2" |
| Input Air Volume | CFM | 45 |
| Input Air Pressure | PSI | 80 |
| Airjet | | 6mm |

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 its 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

email: achambers@arctechnologies.co.uk

Tel: +(44)0115 928 1508

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

| HEPA FILTER - INTERNAL - Included | | |
|-----------------------------------|-----|--|
| Part# | Qty | Description |
| 215373A | 1 | HEPA FILTER (H14) ASSEMBLED WITH PLATE AND WITH U-CHANNEL GASKET |

| FILTERS - Included | | |
|--------------------|-----|--|
| Part# | Qty | Description |
| 215974 | 1 | SD* POLYESTER FILTER WITH CLAMP FOR HEPA FILTER No. 215373 |

| CLOTH RECOVERY BAG - Included | | |
|-------------------------------|-----|---------------------------------|
| Part# | Qty | Description |
| 213343 | 1 | CLOTH RECOVERY BAG (CONDUCTIVE) |

| POLY LINER RECOVERY BAGS AND ACCESSORIES - Included | | |
|---|-----|---|
| Part# | Qty | Description |
| 212100DS | 1 | CONDUCTIVE POLY LINER WITH DRAW STRING (20/25 LITRES) |
| 213780 | 1 | POLY LINER RETAINER PLATE WITH CLIP |

| TOOLS AND ACCESSORIES - Included | | |
|----------------------------------|-----|--|
| Part# | Qty | 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"(45.7cm) |
| 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) |
| 211065 | 1 | GROUND CONTINUITY TESTER |



Arc Technologies

Worldwide Technology For Controlled Environments

Web site: www.arctechnologies.co.uk

email: achambers@arctechnologies.co.uk

Tel: +(44)0115 928 1508

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.



Arc Technologies

Worldwide Technology For Controlled Environments

Web site: www.arctechnologies.co.uk

email: achambers@arctechnologies.co.uk

Tel: **+(44)0115 928 1508**