



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



IECEX Certified

CE 0081 Ex II 2 G/D Ex d IIA T4 Ex tD A21
IP65 - T 120°C

LCIE 03 ATEX 6297

CE 0081 Ex II 2 G/D Ex d IIA T3 Ex tD A21
IP6X - T 200°C

LCIE 03 ATEX 6297



SD* Static Dissipative

Characteristics



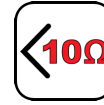
Cleanroom Applications



Pharma Applications



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



ULPA Optional



Wet & Dry Applications



Stainless Steel AISI 304



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.
- *Cleanroom compatible. Can be used in the pharmaceutical industry
- For general cleanup in hazardous locations
- Single phase explosion proof/dust ignition proof motor
- For wet and dry recovery
- All stainless steel SAE 304 construction (except cart). Stainless steel cart available
- Recovery tank capacity of 10 - 55 gallons (38 - 209 liters)
- Optional polyliner and clip available for easy and safe disposal of recovered materials
- Based on an SD* 4-wheel dolly or on an SD* 4-wheel tilting cart (TC) to allow for easy emptying of recovered materials
- Complete static dissipating tool kit and suction hose included

All stainless steel SAE 304 construction (except cart). Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA Filter (H14) located downstream of the motor. This unit can be used for general maintenance in hazardous locations. These are wet & dry vacuum cleaners. Recovery capacity of between 10 to 55 gallons (38 to 209 liters). All of our HEPA vacuum cleaner are Aerosol Leak Tested before leaving our facility.

Specifications

| | Unit | EXP1-10 (4W) RE HEPA | EXP1-15 (4W) RE HEPA | EXP1-15 (TC) RE HEPA | EXP1-25 (TC) RE HEPA | EXP1-55 (TC) RE HEPA |
|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Part# | | 110249B | 110251B | 110335B | 110337B | 110333B |
| Weight | lbs | 82 | 68 | 104 | 107 | 153 |
| Filter Cleaning | | NONE | NONE | NONE | NONE | NONE |
| Decibels | dB | 75 | 75 | 75 | 75 | 75 |
| Dimensions | Inches | H33 × W18 | H38 × W29 × L19 | H39 × W27 | H43 × W27 | H50 × W28 |
| Wet Recovery | Gal | 7.5 | 12.5 | 12.5 | 17 | 45 |
| Dry Recovery | Gal | 6 | 10 | 10 | 15 | 40 |
| Vacuum Pressure | Inches H ₂ O | 61.18 | 61.18 | 61.18 | 61.18 | 61.18 |
| Air Flow | CFM | 131.84 | 131.84 | 131.84 | 131.84 | 131.84 |
| Phase | | Single | Single | Single | Single | Single |
| Horse Power | HP | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| Amperage | A | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Wattage | W | 1000 | 1000 | 1000 | 1000 | 1000 |
| Hertz | Hz | 50 | 50 | 50 | 50 | 50 |
| Voltage | V | 230 | 230 | 230 | 230 | 230 |
| Plug | | Not Inc. | Not Inc. | Not Inc. | 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.

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.



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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.

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.

Tilting Cart



Many of our vacuum cleaners are equipped with a tilting cart for easy maneuverability and for quick disposal of recovered materials. A lever located on the the cart allows the recovery drum to be tilted backwards without having to remove the powerhead. Tilting carts are available in stainless steel or powder coated.

HEPA FILTER - Included

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

FILTERS FOR MODELS EXP1-10/15/25 RE HEPA - Included

| Part# | Qty | Description |
|--------|-----|---|
| 211013 | 1 | MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GALLON EXPLOSION PROOF VACS |
| 212008 | 1 | PRE-FILTER ASSEMBLY SD* (10,15&25 GALLON) |
| 211010 | 1 | LIQUID FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS |

FILTERS FOR MODEL EXP1-55 RE HEPA - Included

| Part# | Qty | Description |
|--------|-----|---|
| 211019 | 1 | MAIN FILTER ASSEMBLY SD* FOR 55 GALLON EXPLOSION PROOF VACS |
| 212108 | 1 | PRE-FILTER ASSEMBLY SD* (55 GALLON) |
| 211016 | 1 | LIQUID FILTER ASSEMBLY SD* FOR 55 GALLON EXP PROOF VACS |

EXHAUST SYSTEMS - Optional

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



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| POLY LINER RECOVERY BAGS AND ACCESSORIES FOR MODEL EXP1-10 RE HEPA - Optional | | |
|---|-----|---|
| Part# | Qty | Description |
| 212100A | 1 | CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET |
| 213780 | 1 | POLY LINER RETAINER PLATE WITH CLIP |

| POLY LINER RECOVERY BAGS AND ACCESSORIES FOR MODEL EXP1-15 RE HEPA - Optional | | |
|---|-----|---|
| Part# | Qty | Description |
| 212100B | 1 | CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET |
| 213780 | 1 | POLY LINER RETAINER PLATE WITH CLIP |

| POLY LINER RECOVERY BAGS AND ACCESSORIES FOR MODEL EXP1-25 RE HEPA - Optional | | |
|---|-----|---|
| Part# | Qty | Description |
| 212102A | 1 | CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET |
| 213780 | 1 | POLY LINER RETAINER PLATE WITH CLIP |

| POLY LINER RECOVERY BAGS AND ACCESSORIES FOR MODEL EXP1-55 RE HEPA - Optional | | |
|---|-----|---|
| Part# | Qty | Description |
| 212102B | 1 | CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET |
| 213780 | 1 | POLY LINER RETAINER PLATE WITH CLIP |

| EXPLOSION PROOF TOOLS AND ACCESSORIES FOR MODELS EXP1-10/15/25 RE HEPA - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL AND PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - 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 |
| 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 |

| EXPLOSION PROOF TOOLS AND ACCESSORIES FOR MODELS EXP1-55 RE HEPA - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL AND PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Included | | |
|--|-----|--|
| Part# | Qty | Description |
| 381406 | 1 | KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø1.5"(38mm)x15'(4.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALUMINUM |
| 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 |

| STATIC CONDUCTIVE TOOLS AND ACCESSORIES FOR MODELS EXP1-10/15/25 RE HEPA (RESISTIVITY 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 |



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STATIC CONDUCTIVE TOOLS AND ACCESSORIES FOR MODELS EXP1-10/15/25 RE HEPA (RESISTIVITY OF 10/3 - 10/5) - Optional

| Part# | Qty | Description |
|---------|-----|--|
| 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) |

STATIC CONDUCTIVE TOOLS AND ACCESSORIES FOR MODELS EXP1-55 RE HEPA (RESISTIVITY OF 10/3 - 10/5) - Optional

| Part# | Qty | Description |
|---------|-----|--|
| 383441B | 1 | CRUSHPROOF SUCTION HOSE ASSEMBLY Ø1.5"(38mm)x15'(3m) STATIC CONDUCTIVE FOR Ø2"(50mm) 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) |

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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