



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

CE Ex II 2 G/D c IIC T6 (85°C)

LCIE 03 ATEX 6310 Vacuum Cleaner certified for providing an Equipment Protection Level of EPL Db and EPL Gb

Characteristics



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



ULPA Optional



High Efficiency



Cleanroom Applications



Pharma Applications



Wet & Dry Applications



Stainless Steel AISI 304



Static Dissipating Toolkit



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 is a wet & dry vacuum cleaner. Recovery tank capacity of 40 gallons (152 liters) - dry and 45 gallons (171 liters) - liquid. All of our HEPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

Specifications

	Unit	SS-55 (4W) RE HEPA SINGLE VENTURI
Part#		110315
Filter Cleaning		NONE
Wet Recovery	Gal	45
Dry Recovery	Gal	40
Vacuum Pressure	Inches H ₂ O	200
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 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 - Included		
Part#	Qty	Description
211027B	1	HEPA FILTER (H14)

FILTERS - 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 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
212102B	1	CONDUCTIVE POLY LINER WITH HOLE FOR SUCTION INLET
213780	1	POLY LINER RETAINER PLATE WITH CLIP

Ø1.5" (38mm) TOOLS AND ACCESSORIES - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL AND PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Included		
Part#	Qty	Description
381401B	1	KANAFLEX SUCTION HOSE ASSEMBLY SD*Ø1.5"(38mm)x15'(4.5m)W/HOSE CUFF&RING FOR USE WITH 2"(50mm)CAMLOCK
211030	1	AIR SUPPLY HOSE ASSEMBLY SD* Ø0.5"(12.7mm)x50'(15m) WITH 1 MALE QUICK DISC. & 1 FEMALE QUICK DISC.
211033B	1	FEMALE QUICK DISCONNECT Ø0.5"(12.7mm) WITH Ø0.5"(12.7mm) FEMALE THREAD (BRASS)
211095C	1	HEX NIPPLE -BRASS (0.5"NPT)
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

Ø1.5" (38mm) STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIVITY OF 10/3 - 10/5) - Optional		
Part#	Qty	Description
383441B	1	CRUSHPROOF SUCTION HOSE ASSEMBLY Ø1.5"(38mm)x15'(4.5m) STATIC CONDUCTIVE FOR Ø2"(50mm) CAMLOCK INTAK
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)



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Ø1.5" (38mm) STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIVITY OF 10/3 - 10/5) - Optional		
Part#	Qty	Description
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)

Ø2" (50mm) TOOLS AND ACCESSORIES - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL AND PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Optional		
Part#	Qty	Description
500306B	1	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø2"(50mm)x15'(4.5m)WITH Ø2" FEMALE CAMLOCK,HOSE CUFF&RING
211032	1	AIR SUPPLY HOSE ASSEMBLY SD* Ø1"(25.4mm)x50'(15m) WITH 1 MALE QUICK DISC. & 1 FEMALE QUICK DISC.
211034B	1	FEMALE QUICK DISCONNECT Ø1"(25.4mm) WITH Ø1"(25.4mm) FEMALE THREAD (BRASS)
211034A	1	NIPPLE Ø1"(25.4mm)x2"(50mm) (BRASS)
500160SS	1	WAND ONLY SINGLE BEND Ø2"(50mm)x48"(1.2m) -STAINLESS STEEL AISI 304 FOR HOSE CUFF & RING
500161A	1	UNIVERSAL TOOL Ø2"(50mm)x20"(51cm)SD* NO COUPLING WITH BRASS WHEELS&CONDUCTIVE BRISTLES&RUBBER BLADE
500558	1	CREVICE TOOL Ø2"(50mm)x15"(38cm) -STAINLESS STEEL AISI 304
501184DA	1	DUSTING BRUSH ALUMINUM SD* Ø2"(50mm)x5"(12.7cm) WITH CONDUCTIVE BRISTLES FOR USE WITH HOSE CUFF&RING
500230D	1	CONICAL NOZZLE ASSEMBLY -CONDUCTIVE RUBBER Ø2"(50mm)x7.5"(19cm)FOR USE WITH HOSE CUFF & RING

Ø2" (50mm) STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIVITY OF 10/3 - 10/5) - Optional		
Part#	Qty	Description
500540	1	CRUSHPROOF SUCTION HOSE ASSEMBLY Ø2"(50mm)x15'(4.5m)STATIC CONDUCTIVE WITH Ø2"FEMALE CAMLOCK -ALUMIN
500160	1	WAND ONLY SINGLE BEND Ø2"(50mm)x48"(1.2m) WITH TAPER FOR UNIVERSAL TOOL -ALUMINUM
500161A	1	UNIVERSAL TOOL Ø2"(50mm)x20"(51cm)SD* NO COUPLING WITH BRASS WHEELS&CONDUCTIVE BRISTLES&RUBBER BLADE
500156B	1	CREVICE TOOL SD* (NO COUPLING) Ø2"(50mm)x15"(38cm) -ALUMINUM
501184A	1	DUSTING BRUSH ALUMINUM SD* Ø2"(50mm)x5"(12.7cm)WITH CONDUCTIVE BRISTLES & TUBE FOR PRESSURE FIT
500230	1	CONICAL NOZZLE RUBBER SD* ASSEMBLY Ø2"(50mm)x7.5"(19cm) WITH Ø2"(50mm)PRESSURE FIT ALUM. CONNECTOR

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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