



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

Designed for use in Class I - Groups A, B, C and D, Division 1, T6; and Class II - Groups E, F, G, Division 1, Hazardous Locations as defined in the National Electric Code (NFPA 70)

CE 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



High Efficiency



Dry Recovery



Stainless Steel AISI 304



Hydrocart



Static Dissipating Toolkit



Coalescing Filter Element



- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- Less than 10 Ohms of resistivity
- Coalescing Filter Element (CFE) for moisture removal
- 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 and neutralization of conductive and explosive dust into a liquid immersion bath
- Optional Conversion Kit for Wet & Dry Recovery available
- Pneumatically (air) operated
- Stainless steel SAE 304 Interceptor tank
- Recovery capacity of 1 gallon (4 liters) of dust into 5 gallons (20 liters) of liquid
- Equipped with a heavy duty powder coated Hydraulic Cart for easy emptying of recovered materials.

Stainless steel SAE 304 Interceptor tank and powder coated Hydraulic Cart. Less than 10 Ohms of resistivity. This unit is equipped with a Coalescing Filter Element (CFE), located upstream, for moisture removal as well as a true HEPA Filter (H14) located downstream. This unit has been designed for the recovery of metallic, conductive and explosive dusts into an immersion liquid bath such as water, paraffin oil, mineral oil, etc. This unit renders any hazardous dust inert. This unit can be converted for the recovery of fuel, solvents and acids. The heavy duty powder coated Hydraulic Cart allows for the unit to be lifted up to 36" (91 cm) above the ground so that contents can be emptied into a recovery container for disposal.

Specifications

	Unit	SS-IT EX (HY-C) RE HEPA
Part#		110412
Weight	kg	123
Filter Cleaning		NONE
Dimensions	cm	H127 × W56 × L132
Dry Recovery	L	3.8
Vacuum Pressure	mm H ₂ O	4572
Air Flow	m ³ /h	187
Venturi		Single
Minimum Compressor HP	HP	15
Air Line Size		1/2"
Input Air Volume	m ³ /h	76.5
Input Air Pressure	PSI / Bar	80 / 5.5
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.

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

Coalescing Filter Element

The Coalescing filter element is used for the removal of solid particles, water and oil aerosols.

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.

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

COALESCING FILTER ELEMENT - Included		
Part#	Qty	Description
214779	1	REPLACEMENT COALESCING FILTER ELEMENT CARTRIDGE FOR ITFE

FILTERS AND ACCESSORIES - Included		
Part#	Qty	Description
211013A	1	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS WITH LACES (CAGE SOLD SEPARATELY)
212007	1	PRE-FILTER ONLY SD* (10,15&25 GALLON)
212734A	1	STAINLESS STEEL CAGE FOR CLOTH FILTER -ELECTROPOLISHED

SIEVE BASKET - Included		
Part#	Qty	Description
214985	1	SIEVE BASKET FOR IT-25 -STAINLESS STEEL AISI 304

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
381396B	1	KANAFLEX CONNECTION HOSE SD* Ø1.5"(38mm)x36"(91cm)W/2"(50mm)FEMALE CAMLOCK&1.5"(38mm)FEMALE CAMLOCK
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 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

GROUNDING REEL - Optional		
Part#	Qty	Description
211191	1	GROUNDING REEL WITH STAINLESS STEEL CABLE WITH AIRCRAFT GROUNDING CLAMP 50'(15m)

SITE GLASS - must be factory installed - Optional		
Part#	Qty	Description
217890	1	SIGHT GLASS WITH 65mm VIEWING DIAMTER, TOUGHENED SODA LIME GLASS (DIN 8902) w/STAINLESS STEEL BODY

RUPTURE DISK - Optional		
Part#	Qty	Description
214679	1	2"(50mm)RUPTURE DISK ASSEMBLY INCLUDES DISK HOLDER & SS FLANGEES (MUST BE FACTORY INSTALLED)
214680	1	RUPTURE DISK 2"(50mm) MODEL PBV-70, ALUMINUM/STAINLESS STEEL 316
214681	1	SAFETY HEADS (RUPTURE DISK HOLDER), FOR 2"(50mm) RUPTURE DISK, CS/CS

WARNINGS:

Do not push or move vacuum cleaner when Hydrocart is raised because there is a danger that the unit might tip over

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.