

## Characteristics



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



EXP1 Series IECEX Certified Ex d IIA T4 Gb Ex t IIIC T 120°C Db IP65 Vacuum Cleaner certified for providing an Equipment Protection Level of EPL Db and EPL Gb



Explosion Proof



Resistivity: Less than 10 ohms



Activated Carbon



Wet & Dry Applications



Stainless Steel AISI 304



HEPA Optional

CE 0081 Ex II 2 G/D Ex d IIA T4 Gb  
Ex t IIIC T120°C Db IP65  
**LCIE 03 ATEX 6297**



- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory
- Less than 10 Ohms of resistivity
- Available with an optional Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors
- Designed for aircraft de-fueling and de-puddling
- Single phase explosion proof/dust ignition proof motor
- For wet and dry recovery
- All stainless steel SAE 304 construction (except cart) with red and yellow bands
- Recovery capacity of 45 gallons (171 liters) - wet and 40 gallons (152 liters) - dry
- Equipped with an SD\* 4-wheel tilting cart for easy emptying of recovered materials. Also equipped with a Dead Man Brake to avoid unit movement while on duty

SD\* Static Dissipative

All stainless steel SAE 304 construction (except cart) with red and yellow bands. Less than 10 Ohms of resistivity. This unit is available with an optional Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors. Exhaust connectors and hoses for venting with diverse diameters are also available. This fuel and solvent recovery vacuum cleaner is specifically designed for the recovery of highly flammable, toxic liquids. This vacuum cleaner system is ideal for the de-fueling and de-puddling of fuel tanks and wings on military or civilian airplanes, as well as for recovering fuel spills. All parts of the vacuum cleaner system have electrical continuity and bonding techniques to ensure static dissipation. Grounding reels are also available for added security. NSN: 7910-01-534-2885 NATO STOCK NUMBER: 7910-21-910-8810 NATO STOCK NUMBER: 7910-21-908-3235 NATIONAL STOCK NUMBER: 7910-20-001-8527

## Specifications

	Unit	EXP1-55 (DMB) TE
Part#		110259B
Weight	lbs	216
Filter Cleaning		NONE
Decibels	dB	75
Dimensions	Inches	H54 x W34 x L41
Wet Recovery	Gal	45
Dry Recovery	Gal	40
Vacuum Pressure	Inches H <sub>2</sub> O	61.18
Air Flow	CFM	131.84
Phase		Single
Horse Power	HP	1.3
Amperage	A	4.5
Wattage	W	1000
Hertz	Hz	50
Voltage	V	230
Plug		Not Inc.

## 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.

### LIQUID FILTER - Included

Part#	Qty	Description
213433	1	STAINLESS STEEL MESH FILTER w/CLAMP FOR SS/EXP1-xx TE SERIES (8.25" OD X 13" H)

### LIQUID FILTER ASSEMBLY - PREVIOUS VERSION PRIOR TO JUNE 18TH, 2012 - Optional

Part#	Qty	Description
211016	1	LIQUID FILTER ASSEMBLY SD* FOR 55 GALLON EXP PROOF VACS

### STRAINER BASKET - Included

Part#	Qty	Description
211796	1	STRAINER BASKET -STAINLESS STEEL (55 GALLON)



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FILTERS FOR DRY RECOVERY - Optional		
Part#	Qty	Description
211019	1	MAIN FILTER ASSEMBLY SD* FOR 55 GALLON EXPLOSION PROOF VACS

EXHAUST FILTRATION - Optional		
Part#	Qty	Description
211022C	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH HEPA FILTER
211025	1	ULPA FILTER (U15)
211047	1	EXHAUST CONNECTOR ASSEMBLY WITH Ø2"(50mm) x 5'(1.5m) EXHAUST HOSE
211046C	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH ACTIVATED CARBON FILTER
211045	1	ACTIVATED CARBON FILTER CARTRIDGE (SQUARE)
211026c	1	

NITRILE DEFUELING HOSE ASSEMBLY - Included		
Part#	Qty	Description
500126	1	NITRILE DEFUELING SUCTION HOSE ASSEMBLY SD* Ø0.75"(19mm)x25'(7.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALU

GROUND CONTINUITY TESTER - Included		
Part#	Qty	Description
211065B	1	MULTIMETER

TOOLS AND ACCESSORIES - REQUIRED IN ORDER TO CLEAN UP SPILL OFF OF THE FLOOR - Optional		
Part#	Qty	Description
381050	1	NITRILE SUCTION HOSE ASSEMBLY, SD*, Ø1.5"(38mm)x10'(3m) FOR Ø1.5"(38mm) CAMLOCK INTAKE -ALUMINUM
381121	1	NITRILE SUCTION HOSE ASSEMBLY, SD* Ø1.5"(38mm)x10'(3m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALUMINUM
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
381190	1	CONICAL NOZZLE ASSEMBLY 6"(15.2cm) -NITRILE
381219	1	CONICAL NOZZLE ASSEMBLY 21"(53.3mm) -NITRILE

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

MANUAL PUMP - Optional		
Part#	Qty	Description
212640	1	MANUAL PUMP ASSEMBLY WITH STAINLESS STEEL LID & GASKET FOR 55 GALLON TANK

AIR-OPERATED DIAPHRAGM PUMP ASSEMBLY - Optional		
Part#	Qty	Description
211934	1	DIAPHRAGM PUMP ASSEMBLY WITH CART (INCLUDES NITRILE SUCTION AND DISCHARGE HOSES)



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## 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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