



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

Characteristics



Explosion Proof



Resistivity: Less than 10 ohms



Activated Carbon



Wet & Dry Applications



Stainless Steel AISI 304



HEPA Optional



IECEX Certified

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

LCIE 03 ATEX 6297

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

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 12.5 - 45 gallons (47.5 - 171 liters) - wet and 10 - 40 gallons (38 - 152 liters) - dry
- Equipped with an SD* 4-wheel tilting cart for easy emptying of recovered materials

SD* Static Dissipative

All stainless steel SAE 304 construction (except cart) with red and yellow bands. Less than 10 Ohms of resistivity. These units are 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. These fuel and solvent recovery vacuum cleaners are specifically designed for the recovery of highly flammable, toxic liquids. These vacuum cleaners systems are 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 systems have electrical continuity and bonding techniques to ensure static dissipation. Grounding reels are also available for added security. NSN: 7910-01-534-2885NATO STOCK NUMBER: 7910-21-910-8810NATO STOCK NUMBER: 7910-21-908-3235NATIONAL STOCK NUMBER: 7910-20-001-8527



Arc Technologies

Worldwide Technology For Controlled Environments

Web site: www.arctechnologies.co.uk

email: achambers@arctechnologies.co.uk

Tel: +(44)0115 928 1508

Specifications

	Unit	EXP1-15 (TC) TE	EXP1-25 (TC) TE	EXP1-55 (TC) TE
Part#		110253B	110256B	110261B
Weight	lbs	101	104	150
Filter Cleaning		NONE	NONE	NONE
Decibels	dB	75	75	75
Dimensions	Inches	H39 × W27	H43 × W27	H50 × W28
Wet Recovery	Gal	12.5	17	45
Dry Recovery	Gal	10	15	40
Vacuum Pressure	Inches H ₂ O	61.18	61.18	61.18
Air Flow	CFM	131.84	131.84	131.84
Phase		Single	Single	Single
Horse Power	HP	1.3	1.3	1.3
Amperage	A	4.5	4.5	4.5
Wattage	W	1000	1000	1000
Hertz	Hz	50	50	50
Voltage	V	230	230	230
Plug		Not Inc.	Not Inc.	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 FOR MODELS EXP1-15/25 (TC) TE - Included

Part#	Qty	Description
211010	1	LIQUID FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS

LIQUID FILTER FOR MODEL EXP1-55 (TC) TE - Included

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

STRAINER BASKET FOR MODELS EXP1-15/25 (TC) TE - Included

Part#	Qty	Description
211795	1	STRAINER BASKET -STAINLESS STEEL (10,15&25 GALLON)



Arc Technologies

Worldwide Technology For Controlled Environments

Web site: www.arc technologies.co.uk

email: achambers@arc technologies.co.uk

Tel: +(44)0115 928 1508

STRAINER BASKET FOR MODEL EXP1-55 (TC) TE - Included		
Part#	Qty	Description
211796	1	STRAINER BASKET -STAINLESS STEEL (55 GALLON)

FILTERS FOR DRY RECOVERY FOR MODELS EXP1-15/25 (TC) TE - Optional		
Part#	Qty	Description
211013	1	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GALLON EXPLOSION PROOF VACS

FILTERS FOR DRY RECOVERY FOR MODEL EXP1-55 (TC) TE - Optional		
Part#	Qty	Description
211019	1	MAIN FILTER ASSEMBLY SD* FOR 55 GALLON EXPLOSION PROOF VACS

EXHAUST FILTRATION FOR MODEL EXP1-15 (TC) TE - Optional		
Part#	Qty	Description
211022A	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH HEPA FILTER
211026A	1	STAINLESS STEEL HOUSING BOX FOR HEPA/CARBON FILTER WITH HOSE FOR 15 GAL VAC(FILTER SOLD SEPARATELY)
211025	1	ULPA FILTER (U15)
211047	1	EXHAUST CONNECTOR ASSEMBLY WITH Ø2"(50mm) x 5'(1.5m) EXHAUST HOSE

EXHAUST FILTRATION FOR MODEL EXP1-25 (TC) TE - Optional		
Part#	Qty	Description
211022B	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH HEPA FILTER
211026B	1	STAINLESS STEEL HOUSING BOX FOR HEPA/CARBON FILTER WITH HOSE FOR 25 GAL VAC (FILTER SOLD SEPARATELY)
211025	1	ULPA FILTER (U15)
211047	1	EXHAUST CONNECTOR ASSEMBLY WITH Ø2"(50mm) x 5'(1.5m) EXHAUST HOSE

EXHAUST FILTRATION FOR MODEL EXP1-55 (TC) TE - Optional		
Part#	Qty	Description
211022C	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH HEPA FILTER
211026C	1	STAINLESS STEEL HOUSING BOX FOR HEPA/CARBON FILTER WITH HOSE FOR 55 GAL VAC (FILTER SOLD SEPARATELY)
211025	1	ULPA FILTER (U15)
211047	1	EXHAUST CONNECTOR ASSEMBLY WITH Ø2"(50mm) x 5'(1.5m) EXHAUST HOSE

ACTIVATED CARBON CARTRIDGE AND ACCESSORIES FOR MODEL EXP1-15 (TC) TE - Optional		
Part#	Qty	Description
211046A	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH ACTIVATED CARBON FILTER
211026A	1	STAINLESS STEEL HOUSING BOX FOR HEPA/CARBON FILTER WITH HOSE FOR 15 GAL VAC(FILTER SOLD SEPARATELY)
211045	1	ACTIVATED CARBON FILTER CARTRIDGE (SQUARE)

ACTIVATED CARBON CARTRIDGE AND ACCESSORIES FOR MODEL EXP1-25 (TC) TE - Optional		
Part#	Qty	Description
211046B	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH ACTIVATED CARBON FILTER
211026B	1	STAINLESS STEEL HOUSING BOX FOR HEPA/CARBON FILTER WITH HOSE FOR 25 GAL VAC (FILTER SOLD SEPARATELY)
211045	1	ACTIVATED CARBON FILTER CARTRIDGE (SQUARE)

ACTIVATED CARBON CARTRIDGE AND ACCESSORIES FOR MODEL EXP1-55 (TC) TE - Optional		
Part#	Qty	Description
211046C	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH ACTIVATED CARBON FILTER



Arc Technologies

Worldwide Technology For Controlled Environments

Web site: www.arctechnologies.co.uk

email: achambers@arctechnologies.co.uk

Tel: +(44)0115 928 1508

ACTIVATED CARBON CARTRIDGE AND ACCESSORIES FOR MODEL EXP1-55 (TC) TE - Optional		
Part#	Qty	Description
211026C	1	STAINLESS STEEL HOUSING BOX FOR HEPA/CARBON FILTER WITH HOSE FOR 55 GAL VAC (FILTER SOLD SEPARATELY)
211045	1	ACTIVATED CARBON FILTER CARTRIDGE (SQUARE)

TOOLS AND ACCESSORIES FOR MODEL EXP1-15/25 (TC) TE - Included		
Part#	Qty	Description
381100	1	NITRILE SUCTION HOSE ASSEMBLY,SD*, Ø0.75"(19mm)x25'(7.5m) FOR Ø1.5"(38mm) CAMLOCK INTAKE -ALUMINUM
211065	1	GROUND CONTINUITY TESTER

TOOLS AND ACCESSORIES FOR MODEL EXP1-55 (TC) TE - Included		
Part#	Qty	Description
500126	1	NITRILE SUCTION HOSE ASSEMBLY SD* Ø0.75"(19mm)x25'(7.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALUMINUM
211065	1	GROUND CONTINUITY TESTER

TOOLS AND ACCESSORIES FOR MODELS EXP1-15/25 (TC) TE - REQUIRED IN ORDER TO CLEAN UP SPILLS 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
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

TOOLS AND ACCESSORIES FOR MODEL EXP1-55 (TC) TE - REQUIRED IN ORDER TO CLEAN UP SPILLS OFF OF THE FLOOR - Optional		
Part#	Qty	Description
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 FOR MODELS EXP1-15/25 (TC) TE - Optional		
Part#	Qty	Description
212638	1	MANUAL PUMP ASSEMBLY WITH STAINLESS STEEL LID (25 GALLON)

MANUAL PUMP FOR MODEL EXP1-55 (TC) TE - Optional		
Part#	Qty	Description
212640	1	MANUAL PUMP ASSEMBLY WITH STAINLESS STEEL LID & GASKET FOR 55 GALLON TANK



Arc Technologies

Worldwide Technology For Controlled Environments

Web site: www.arctechnologies.co.uk

email: achambers@arctechnologies.co.uk

Tel: +(44)0115 928 1508

AIR-OPERATED DIAPHRAGM PUMP ASSEMBLY - Optional

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

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**