



GUARANTEED for the safe recovery of combustible/conductive dusts & flammable liquids.

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

ATEX 3rd party certified

CE Ex II 2 G/D c IIC T6 (85°C)

LCIE 03 ATEX 6310 See Certificate

Characteristics



Explosion Proof



Resistivity: Less than 10 ohms



Wet Recovery Only



Stainless Steel AISI 304



Activated Carbon



- 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
- Pneumatically (air) operated
- For liquid recovery only
- All stainless steel SAE 304 construction (except cart) with red and yellow bands
- Recovery capacity of 12.5 - 45 gallons (47.5 - 171 liters)
- 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 cleaner 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 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	SS-15 (TC) TE	SS-25 (TC) TE	SS-55 (TC) TE SINGLE VENTURI	SS-55 (TC) TE TWIN VENTURI
Part#		110270	110274	110278	110282
Weight	kg	45	38	60	70
Filter Cleaning		NONE	NONE	NONE	NONE
Decibels	dB	70	70	70	70
Dimensions	cm	H97 × W69 × L89	H109 × W69	H117 × W71 × L102	H127 × W71
Wet Recovery	L	47.3	64.4	170.3	170.3
Dry Recovery	L	37.9	56.8	151.4	151.4
Vacuum Pressure	mm H ₂ O	5080	5080	5080	5842
Air Flow at Suction In-take	m ³ /h	187	187	187	331
Venturi		Single	Single	Single	Twin
Minimum Compressor HP - 1 HP = 4 CFM ¹	HP	15	15	15	30
Air Line Size		1/2"	1/2"	1/2"	1"
Input Air Volume	m ³ /h	76.5	76.5	76.5	118.9
Input Air Pressure	PSI / Bar	80 / 5.5	80 / 5.5	80 / 5.5	100 / 6.9
Airjet (Venturi)		6mm	6mm	6mm	6mm

Notes:

¹ Specifications may vary depending upon the performance of the compressor.

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.

LIQUID FILTER - Included

Part#	Qty	Description
213433	1	STAINLESS STEEL MESH FILTER w/CLAMP FOR SS/EXP1-xx TE SERIES

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

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

STRAINER BASKET FOR MODELS SS-55 (TC) TE SINGLE AND TWIN VENTURI - Included

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

EXHAUST FILTRATION FOR ALL MODELS - Optional

Part#	Qty	Description
211047	1	EXHAUST CONNECTOR ASSEMBLY WITH Ø2"(50mm) x 5'(1.5m) EXHAUST HOSE

ACTIVATED CARBON CARTRIDGE AND ACCESSORIES FOR MODEL SS-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 SS-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 MODELS SS-55 (TC) TE SINGLE AND TWIN VENTURI - Optional

Part#	Qty	Description
211046C	1	ASSEMBLED STAINLESS STEEL HOUSING BOX WITH ACTIVATED CARBON FILTER
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 MODELS SS-15/25 (TC) TE SINGLE VENTURI - Included

Part#	Qty	Description
381100	1	NITRILE DEFUELING SUCTION HOSE ASSEMBLY,SD*, Ø0.75"(19mm)x25'(7.5m) FOR Ø1.5"(38mm) CAMLOCK INTAKE -
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)
211065B	1	MULTIMETER

TOOLS AND ACCESSORIES FOR MODEL SS-55 (TC) TE SINGLE VENTURI - Included

Part#	Qty	Description
500126	1	NITRILE DEFUELING SUCTION HOSE ASSEMBLY SD* Ø0.75"(19mm)x25'(7.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALU
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)
211065B	1	MULTIMETER

TOOLS AND ACCESSORIES FOR MODEL SS-55 (TC) TE TWIN VENTURI - Included

Part#	Qty	Description
500126	1	NITRILE DEFUELING SUCTION HOSE ASSEMBLY SD* Ø0.75"(19mm)x25'(7.5m) FOR Ø2"(50mm) CAMLOCK INTAKE -ALU
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)
211065B	1	MULTIMETER

TOOLS AND ACCESSORIES FOR MODELS SS-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 MODELS SS-55 (TC) TE SINGLE AND TWIN VENTURI - REQUIRED IN ORDER TO CLEAN UP SPILLS OFF OF THE FLOOR - Optional

Part#	Qty	Description
381123	1	NITRILE SUCTION HOSE ASSEMBLY, SD* Ø1.5"(38mm)x15'(4.5m) 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 SS-15/25 (TC) TE - Optional

Part#	Qty	Description
212638	1	MANUAL PUMP ASSEMBLY WITH STAINLESS STEEL LID (25 GALLON)

MANUAL PUMP FOR MODELS SS-55 (TC) TE SINGLE AND TWIN VENTURI - 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)

WARNINGS:

Only tools and accessories provided by Tiger-Vac shall be used with these vacuum cleaners. 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 these vacuum cleaner systems.