

# Tiger-Vac®

*...The name to vacuum with*

**Fuel Recovery Vacuum Cleaners  
For Aerospace and Industrial Facilities Aircraft Maintenance**



**TIGER-VAC INC.**  
73 S.W. 12TH AVENUE, BLDG. 1, UNIT #7  
DANIA, FLORIDA 33004  
TEL: 1-800-668-4437  
FAX: 1-800-668-4439  
E-MAIL: [sales@tiger-vac.com](mailto:sales@tiger-vac.com)  
WEBSITE: [www.tiger-vac.com](http://www.tiger-vac.com)



**TIGER-VAC INTERNATIONAL INC.**  
2020 DAGENAIS BLVD. WEST  
LAVAL, QUEBEC H7L 5W2  
TEL: 450-625-0099  
FAX: 450-625-3388  
E-MAIL: [support@tiger-vac.com](mailto:support@tiger-vac.com)  
WEBSITE: [www.tiger-vac.com](http://www.tiger-vac.com)





## Table of Contents

Introduction to Tiger-Vac Inc. ....	2
Word from our President .....	3
What makes an electrically operated vacuum cleaner for use in hazardous locations be considered explosion proof / dust ignition proof? .....	1
General Information .....	5
Certifications and Memberships .....	6
Major Military Installations using Tiger-Vac Systems .....	7
Common Measurement Conversions .....	8
Trademarks & Copyrights .....	8
NFPA 30: Flammable and Combustible Liquids Code Information .....	9
Technology Bulletin Article .....	10
U.S. Air Force MEEP Project Final Report .....	11

### Fuel Recovery Vacuum Cleaners

Legally Certified Explosion Proof / Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery - Electrically operated .....	12-16
Legally Certified Explosion Proof / Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery - Pneumatically (air) operated .....	17-21
Activated Carbon Drum for use with Fuel Recovery Vacuum Cleaners .....	22
Activated Carbon Cartridge for use with Fuel Recovery Vacuum Cleaners .....	23
Tools and Accessories for use with Fuel Recovery Vacuum Cleaners .....	23
Accessories for use with Fuel Recovery Vacuum Cleaners .....	24
Vacuum Cleaners for the recovery of Chips and Coolant .....	25-27
Accessories for use with Vacuum Cleaners for the recovery of Chips and Coolant .....	28
<b>Notes</b> .....	29-31



## **Introduction to Tiger-Vac Inc.**

Tiger-Vac is a leading manufacturer of Industrial Vacuum Cleaners with over 40 years of experience. With our commitment to quality (certified ISO 9001:2008) our vacuum systems are an essential component within aircraft maintenance programs.

Legally certified for use in Class I - Groups C, D and Class II - Groups E, F and G atmospheres such as aircraft hangars and other hazardous locations where flammable gases, vapors and finely pulverized dusts are present (as defined in NFPA 70). These units can be used in atmospheres containing: Gasoline, Petroleum, Naphtha, Benzene, Butane, Propane, Alcohol, Acetone, Benzyl, Lacquer, Solvent Vapors or Natural Gas. Meets NFPA 30 4-2.1 standards.

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.

Activated Carbon Cartridges are available for the adsorption of contaminant odors and vapors that are produced during recovery.

We also offer a new line of vacuum cleaners that separate Chips, Oil and Coolant. Our line of HOGOIL Vacuum Cleaners are designed for the separation/recovery of chips from coolant and the return of the filtered coolant back into the unit or into a collection drum for reuse.

All of our units are available in both electrically and pneumatically (air) operated versions and are available with a variety of different cart and filtration options.

**REMEMBER AT TIGER-VAC SAFETY HAS NO COMPROMISE!**



## What makes an electrically operated vacuum cleaner for use in hazardous locations be considered explosion proof/dust ignition proof?



Explosion Proof/Dust Ignition Proof means that all the **external parts**, or components, for any type of equipment, including vacuum cleaners, will not create a spark or be a source of fire or explosion when operated inside or outside of hazardous locations.

All electrical devices, components or parts must be certified by a Nationally Recognized Testing Laboratory (NRTL) individually. At this time only an NRTL can issue a legal certification as per NFPA/NEC standards.

The type of hazard is defined as an “Explosion Hazard” in Class I and II locations and as a “Fire Hazard” in Class III locations. Please see the combustible dust post issued by OSHA on page 14 of this catalog for more information on the different classes.

**Please note the following for pneumatically (air) operated vacuum cleaners:** There are currently no standards for non-electrical equipment in North America. However, certification of these types of vacuum cleaners are available in other countries. These certifications are an equivalent of the NRTL’s in North America. What is also important to note is that there is currently an international standard by the International Electrotechnical Commission (IEC) that is under review and will be available within the next few years.

### **IMPORTANT NOTICE:**

The NRTL does not certify what is being recovered inside of the vacuum cleaner’s recovery tank such as combustible/conductive dust, fuel, solvents, vapors, etc. It is the responsibility of the equipment manufacturer to make sure to supply the type of equipment that is suitable to the customers needs. **Please make sure to always read the instruction manual for any equipment that is rated to be used in hazardous locations for further details on what it can and cannot be used for.**

## General Information

**Object of the sale** - The order includes only that merchandise indicated in the confirmation of order. Illustrations and data resulting from catalogues and price lists are provided for informational purposes only. Prices are subject to change without notice.

**Deliveries** - The date of delivery is understood as being approximate and non-binding. The buyer will be notified of any back-orders. Any delay in the delivery of the order or partial order due to unforeseen circumstances, will not give the buyer the right to cancel goods already shipped or received, neither the right to claim compensation for direct or indirect damages, nor to delay the payment, according to agreed upon terms, of the supplies already shipped or received.

**Transport** - The goods travel at the buyer's risk and peril. Tiger-Vac is not responsible for delays or damages due to unforeseen circumstances once the merchandise leaves our warehouse. The buyer is strongly advised immediately to verify all merchandise received. Any damages noted must be immediately photographed, documented and reported to the transport company. Any claims for damaged goods are the sole responsibility of the buyer.

**Payments** - Payments must be made according to the conditions agreed upon by Tiger-Vac and the buyer independent of any challenge or complaint. Bank interest will take effect upon expiry of the set deadline. Any additional cost incurred by Tiger-Vac, such as bank fees due to NSF checks, will be charged to the buyer. We accept Visa, Mastercard and American Express credit cards as well as Company checks and Electronic Fund Transfers (EFT). Credit terms are available for approved customers.

**Prices** - Current prices are contained within our price lists. All price lists are subject to change without notice. Prices will be confirmed via an order acknowledgment upon receipt of order. All written quotations are valid for a period of 60 days.

**Complaints** - Tiger-Vac must be advised of a complaint within five days from the receipt of goods. In the event of shortages or damages concerning such goods, it will be the buyer's responsibility to notify the carrier.

**Returned goods** - Tiger-Vac will not accept any returned goods without an issued and authorized Return Material Authorization Form. Please note that all transportation cost in returning merchandise back to Tiger-Vac will be the responsibility of the buyer unless specified by us. Goods sent back, due to transport damage or for any other reason, without an RMA, will not be accepted. Please note that a restocking fee may apply.

**Delay in payment** - Cash payments are understood as the accepted form of payment, except in the event of a particular written agreement on this subject between Tiger-Vac and the buyer. Delay in the buyer making payments or insolvency, will entitle Tiger-Vac to terminate any obligations undertaken.

**Warranty** - Our products are warrantied, depending on the merchandise, for 90 days, 12 or 24 months from the date of delivery. The warranty consists of the replacement or repair of the parts due to verified construction defects at no cost to the buyer. This does not include damages or defects arising from normal wear and tear, negligence, inexperience or incompetence in the use and application of the product. Such replacements or repair will be carried out by Tiger-Vac only after verification of the validity of the reported defects. All transportation costs will be charged to the buyer. For parts not manufactured by Tiger-Vac, the guarantee is limited to that recognized by our respective suppliers. Tiger-Vac is exempt from all possible responsibility and obligation owing to any damage sustained by persons or property due to the use of the supplied goods or owing to latent faults, defects in construction, materials or through the deficiency of essential requirements. Tiger-Vac is also exempt from all responsibility arising from any infringements of patents, trademarks or models which may be found on the supplied goods.

**Property** - The goods remain the exclusive property of Tiger-Vac until the agreed price has been paid in full.

**Dispute** - Any dispute concerning the above will be exclusively assigned to the jurisdiction of the judicial authority of the State of Florida

## Certifications and Memberships



ISO 9001  
QMI-SAI Global  
#006622

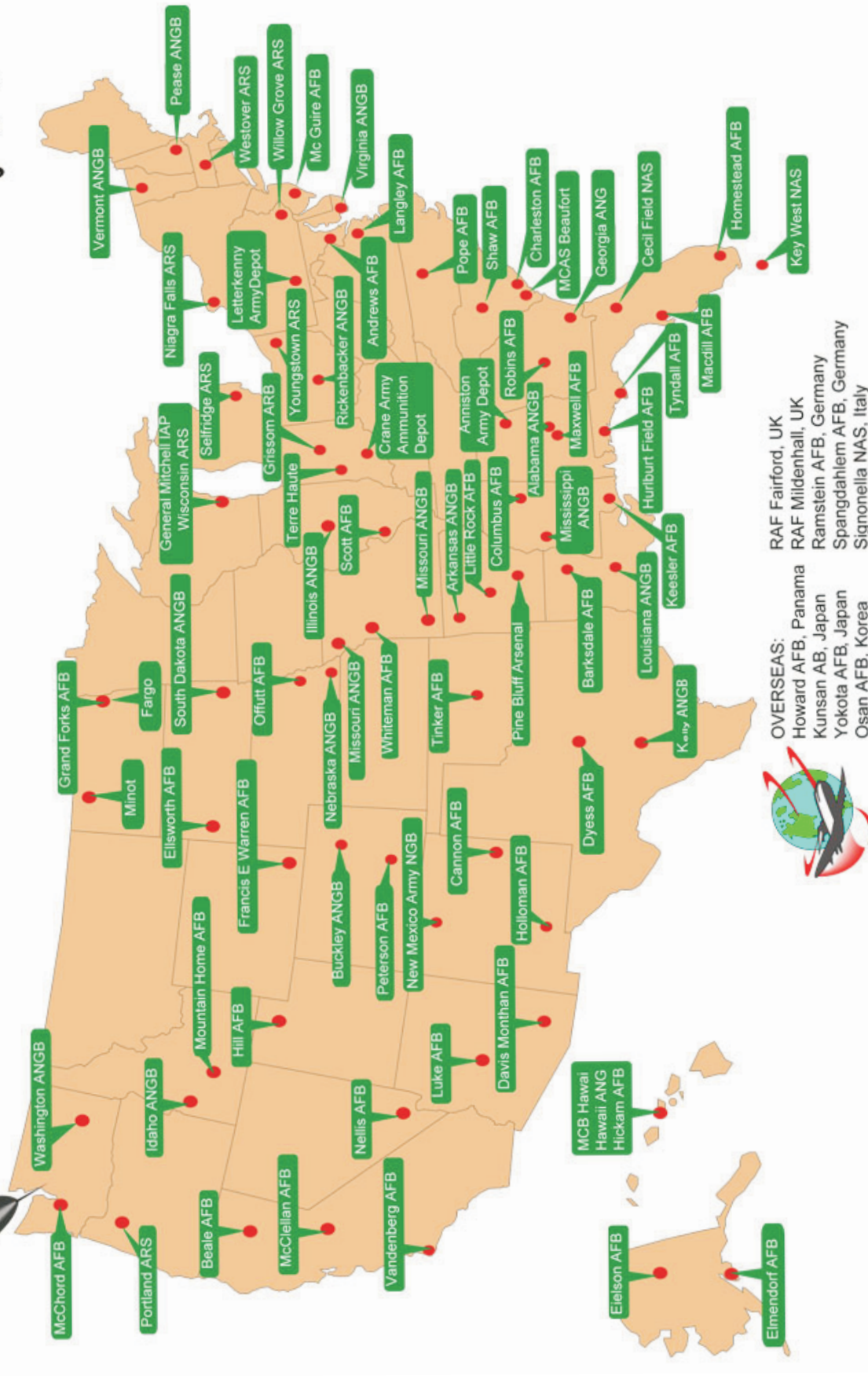


**GUARANTEED** to be capable of safely recovering combustible/conductive dusts and/or flammable liquids



For US Government Orders, most of our items are available on the GSA Advantage Website.  
**Our GSA Contract Number is: GS07F8097B**  
**Our Cage Code is: 0YX65**

# Major Military Installations using Tiger-Vac Vacuum Systems



OVERSEAS:  
 RAF Fairford, UK  
 RAF Mildenhall, UK  
 Howard AFB, Panama  
 Kunsan AB, Japan  
 Yokota AFB, Japan  
 Osan AFB, Korea  
 Ramstein AFB, Germany  
 Spangdahlem AFB, Germany  
 Signonella NAS, Italy

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Common Measurement Conversions

### Weight - Pounds to Kilograms

Kilograms = Pounds x 2.204

Pounds = Kilograms ÷ 2.204

### Distance - Inches to Millimeters

Millimeters = Inches x 25.4

Inches = Millimeters ÷ 25.4

### Vacuum - Inches of Water (H<sub>2</sub>O) to Inches of Mercury (Hg)

H<sub>2</sub>O = Hg x 13.57

Hg = H<sub>2</sub>O ÷ 13.57

### Power - Horse Power (HP) to Watts

HP = Watts ÷ 745.7

Watts = HP x 745.7

### Flow - Cubic Feet per Minute (CFM) to Liters per Minute (LPM)

CFM = LPM x 28.32

LPM = CFM ÷ 28.32

## Trademarks and Copyrights

Trademarks and service marks used in this catalog are the property of their respective owners. Use of these marks without the prior written consent of their owners is strictly prohibited.

Tiger-Vac® is a trademark of Tiger-Vac International Inc.

## NFPA 30: Flammable and Combustible Liquids Code information

**Explosion Proof Industrial Vacuum Cleaner Systems are designed and legally certified for use in Class I - Group D atmospheres containing:**

Acetic acid (glacial)	Cyclohexene	Heptane	Methylcyclohexane	Propane
Acetone	Cyclopropane	Heptene	Methyl ethyl ketone	1-Propanol (Propyl alcohol)
Acetonitrile	1,1-Dichloroethane	Hexane	Methyl formate	2-Propanol (Isopropyl alcohol)
Acrylonitrile	1,2-Dichloroethylene	2-Hexanone	Methyl isobutyl ketone	N-Propyl acetate
Allyl chloride	1,3-Dichloropropene	Hexenes	Methyl isocyanate	Propylene
Ammonia (3)	Di-Isobutylene	Isoamyl acetate	Methyl methacrylate	Propylene dichloride
N-amyl acetate	Ethane	Isoamyl alcohol	2-Methyl-1-Propanol (Isobutyl alcohol)	Propylene oxide (2)
Sec-amyl acetate	Ethanol (ethyl alcohol)	Isobutyl acrylate	2-Methyl-2-Propanol (tertiary Butyl alcohol)	Pyridine
Benzene	Ethyl acetate	Isoprene	Naphtha (Petroleum)	Styrene
Butane	Ethyl acrylate	Isopropyl acetate	Nonane	Toluene
1-Butanol	(inhibited)	Isopropylamine	Nonene	Tripropylamine
(Butyl alcohol)	Ethylamine	Isopropyl ether	Octane	Terpentine
2-Butanol (secondary	Ethyl benzene	Liquified petroleum gas	Octene	Vinyl acetate
Butyl alcohol)	Ethyl chloride	Mesityl oxide	Pentane	Vinyl chloride
N-butyl acetate	Ethylenediamine (anhydrous)	Methane (Nature gas)	1-Pentanol (Amyl alcohol)	Vinylidene chloride
Sec-butyl acetate	Ethylene glycol	Methanol (Methyl alcohol)	2-Pentanone	Xylenes
Butylamine	monomethyl ether	Methyl acetate	1-Pentene	
Butylene	Ethyl formate	Methyl acrylate	Petroleum-Naphtha (4)	
Chlorobenzene	Gasoline	Methylamine		

The Tiger-Vac explosion proof product line consists solely of **LEGALLY CERTIFIED** explosion proof vacuum cleaners. Certification and testing in accordance with U.S. / Canadian standards was performed by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA's NRTL program. Individuals or companies in North America claiming that their products "meet" the applicable standards, when their products have never been tested or certified by a Nationally Recognized Testing Laboratory (NRTL), are making statements which are confusing and misleading. At Tiger-Vac, we believe that **SAFETY HAS NO COMPROMISE**.

Tiger-Vac's explosion proof product line consists solely of **LEGALLY CERTIFIED** explosion proof vacuum cleaners in accordance with ATEX 100a directive 94/9/EC requirements for gas and dust. Zone 1,2 (Gas), Zone 21,22 (Dust). Our certification is issued by an internationally recognized independent authority. Vacuum cleaners for ATEX Zone 22 (Dust) only are self certified by Tiger-Vac. This self-certification is in accordance with ATEX directive. It allows the manufacturer to state the minimum safety standard for this zone.

Warning: Never allow products classified only Zone 22 (Dust) to be used in Zone 21 (Dust) nor Zone 1 and 2 (Gas) atmospheres for electrically operated and Zone 21 (Dust) or Zone 1 (Gas) for pneumatic (air-operated).

# TECHNOLOGY BULLETIN



March 1998

(937) 255-7210 ext 3365

Issue #34

## Explosion-proof Vacuum

**TB0077**

*Cleans up fuels and solvents in hazardous environments.*

In an industrial setting, removing hazardous waste, such as spilled solvents, can create a dangerous environment for workers. Volatile liquids not only must be removed, but their vapors also must be contained. After an aircraft has been defueled, the residual fuel in the tanks must be removed before maintenance can progress. Both of these situations require a vacuum capable of removing hazardous liquids and absorbing vapors to keep them from being released into the atmosphere.

Tiger-Vac, Incorporated, International, Plattsburg, NY, has developed an explosion-proof and dust-ignition-proof industrial vacuum system called the Tiger-Vac®. This vacuum is certified for use in the following:

Class I - Group D: atmospheres containing gasoline, naphtha, and other solvent vapors;

Class II - Group E: atmospheres containing metal dust, including aluminum and magnesium;

Class II - Group F: atmospheres containing carbon black, coal, and coke dust; or Class II Group G: atmospheres containing flour, starch, or grain dust.

Tiger-Vac is available with two power sources. One uses a sealed electric motor and the other uses compressed air. All electrical components of the electric model are certified for use in hazardous locations. The motor is totally enclosed eliminating any motor sparking hazards.

The pneumatic vacuum transforms compressed air into a powerful vacuum using the venturi principle, has no moving parts, and requires very little maintenance.

The Tiger-Vac vacuum uses two types of filters to remove hazardous vapors/particles from the air. A two-stage filter system is used for dustless operation. The first stage pre-filter uses a 1-micron washable polyester cloth with stainless steel filaments for continuous electrical continuity. The final stage contains a High Efficiency Particulate Air (HEPA) and Ultra Low Penetration Air (ULPA) filter with an efficiency of 99.99 percent on particles of .3- microns. Tiger-Vac uses an activated carbon filter to recover flammable liquids.

All metal parts of the tank and vacuum are made of aluminum and stainless steel. All metal and non-metal parts are compatible with fuels, solvents, and flammable solids. All parts of the vacuum contain electrical continuity and bonding techniques to ensure static dissipation. The Tiger-Vac's design requires the unit to be grounded during use and storage. Grounding reels are also available for extra safety.

The Tiger-Vac explosion-proof vacuum was tested by the Air Force Management and Equipment Evaluation

Program (MEEP) Office and recommended for use in the Air Force. For more information concerning MEEP, see TechTAP TA9341 Air Force Management and Equipment Evaluation Program 29 October 1993 (Revised May 1995).



This TechTIP document was produced as part of the Technology Transition Information Program (TechTIP) at the Aeronautical Systems Center Technology Insertion Division (ASC/SMA). TechTIPs increase awareness of technologies and organizations. Determining the feasibility of using the information contained herein requires a thorough evaluation of your system requirements. Alternative products and solutions generally are available. **TechTIP publication does not imply any commitment by the government to procure that technology, process or product.** You may obtain additional information from the technology and user contacts listed above. **DISTRIBUTION A:** Approved for public release; distribution unlimited. Other requests for this document shall be referred to ASC/SMA. Disseminate in accordance with the provisions of AFI 61-204. Comments or questions about the Technology Transition Information Program are welcome and should be addressed to: ASC/SMA, 2145 Monahan Way, Wright-Patterson AFB, OH 45433-7017 or call DSN 785-7210 ext 3365, Commercial (937) 255-7210 ext 3365.

Air Force Technology Transition Information Program

M-85

U.S. AIR FORCE  
MEEP PROJECT  
FINAL REPORT - (PRODUCT NAME)  
PROJECT NR. - OT94-73  
BAILMENT NR - 94-73

\*\*\*IMPORTANT REMINDER\*\*\*

THIS REPORT WILL NOT BE USED FOR ANY PUBLICITY, ADVERTISEMENT, OR SALES PURPOSES TO OTHER THAN FEDERAL OR CIVIL GOVERNMENT AGENCIES AS ADDRESSED IN PARAGRAPH 12 OF THE BAILMENT AGREEMENT BETWEEN THE UNITED STATES AIR FORCE AND TIGER VAC, INC.

1. Description of Project:

A. Purpose: Project established to determine, through potential user evaluation, if the above equipment offers sufficient advantages over the present method.

B. Equipment Evaluated: Explosion Proof Vacuum.

2. Discussion:

a. The Tiger Vacuum System was utilized by one of the tenant unit at Eglin AFB Florida, in their Corrosion Control Branch. It was used with the optional sander attachment for pre-paint surface preparation.

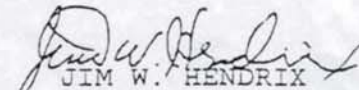
b. Advantages:

(1) The vacuum is certified for use in the following explosive environments: Class I - Group D, Class II - Groups E, F, & G. Includes High Efficiency Particulate Air (Hepa) and Ultra Low Penetration Air (Ulp) filters to contain hazardous particles.

(2) Although the vacuum system was not tested in a transportation environment, the Tiger Vacuum System can be used in a variety of ways in the vehicle maintenance shops. It can be used to clean up small fuel spills, and to control spills at the fuel dispensing station. Additionally, the Dustless Sanding System performed well and can be quite useful in the allied trade shops.

3. Conclusions: The Tiger-Vac is recommended for Air Force use. The system can be procured through local purchase or under GSA Contract # GS07F8097b.

5. Conclusion: On behalf of the Air Force, We wish to Express our appreciation for your participation in this project. We welcome products for project consideration that have the potential for solving vehicle and equipment maintenance problems and improving civil engineering and transportation effectiveness within the Air Force.

  
JIM W. HENDRIX  
Project Manager

# Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Available in electrically and pneumatically (air) operated versions



## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Electrically operated 3-phase with Middle Ring with Activated Carbon (MRAC)



CD-EX models certified for:  
Class I, Group D, Class II, Groups F and G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Electrically operated continuous duty 3 phase motor/blower.
- Equipped with a Middle Ring with Activated Carbon (MRAC) for the adsorption of toxic/nuisance fumes and vapors.
- Carbon Cartridge contains 18 lbs (8 kg) of activated carbon pellets. Different types of carbon are available.
- All stainless steel SAE 304 construction (except cart).
- For liquid recovery (can also be used for dry recovery).
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Vacuum cleaner is situated on a heavy duty powder coated Hydraulic Cart for easy emptying of recovered materials.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

### **Part # 112600A1 - CD-25 EX MRAC (HY-C)**

Weight and Dimensions (shipping - on a skid): H33" x W61" x L59" 563 Lbs

Recovery Capacity in Tank: 17 gallons - Liquid and 15 gallons - Dry

Vacuum Pressure: 130" H<sub>2</sub>O

Air Flow: 145 CFM

Horse Power: 2 HP

Watts: 1480

Phase: 3-Phase Continuous Duty

Amperage: 6 amps/60 Hz

Voltage: 460V (other voltages available)

Plug: not included

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Electrically operated single phase



CD-EX models certified for:  
Class I, Group D, Class II, Groups E, F and G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Electrically operated Single Phase explosion proof motor
- Available with an Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors.
- All stainless steel SAE 304 construction (except cart)
- For liquid recovery (can also be used for dry recovery).
- Recovery capacity in tank - 12.5-45 gallons - liquid and 10-40 gallons - dry.
- Equipped with a static dissipative 4-wheel tilting cart for easy emptying of recovered materials.
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Electrically operated single phase

### Part # 110253A - EXP1-15 (TC) TE

Weight and Dimensions: H39" x W27" x L 101 Lbs  
Recovery Capacity in Tank: 12.5 gallons - Liquid and 10 gallons - Dry  
Vacuum Pressure: 69" H<sub>2</sub>O  
Air Flow: 132 CFM  
Horse Power: 1.3 HP  
Watts: 1000  
Phase: single phase  
Amperage: 9 amps/60 Hz  
Voltage: 120V (230V available)  
Plug: not included



### Part # 110256A - EXP1-25 (TC) TE

Weight and Dimensions: H43" x W27" x L 104 Lbs  
Recovery Capacity in Tank: 17 gallons - Liquid and 15 gallons - Dry  
Vacuum Pressure: 69" H<sub>2</sub>O  
Air Flow: 132 CFM  
Horse Power: 1.3 HP  
Watts: 1000  
Phase: single phase  
Amperage: 9 amps/60 Hz  
Voltage: 120V (230V available)  
Plug: not included



### Part # 110261A - EXP1-55 (TC) TE

Weight and Dimensions: H50" x W28" x L 150 Lbs  
Recovery Capacity in Tank: 45 gallons - Liquid and 40 gallons - Dry  
Vacuum Pressure: 69" H<sub>2</sub>O  
Air Flow: 132 CFM  
Horse Power: 1.3 HP  
Watts: 1000  
Phase: single phase  
Amperage: 9 amps/60 Hz  
Voltage: 120V (230V available)  
Plug: not included



## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Electrically operated single phase with Dead Man Brake



CD-EX models certified for:  
Class I, Group D, Class II, Groups E, F and G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Electrically operated Single Phase explosion proof motor.
- Available with an Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors.
- All stainless steel SAE 304 construction (except cart).
- For liquid recovery (can also be used for dry recovery).
- Recovery capacity in tank - 45 gallons - liquid and 40 gallons - dry.
- Equipped with a static dissipative 4-wheel tilting cart for easy emptying of recovered materials. Also equipped with a Dead Man Brake to avoid unit movement while on duty.
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

### Part # 110259A - EXP1-55 (DMB) TE

Weight and Dimensions: H54" x W34" x L41" 216 Lbs  
Recovery Capacity in Tank: 45 gallons - Liquid and 40 gallons - Dry  
Vacuum Pressure: 69" H<sub>2</sub>O  
Air Flow: 132 CFM  
Horse Power: 1.3 HP  
Watts: 1000  
Phase: single phase  
Amperage: 9 amps/60 Hz  
Voltage: 120V (other voltages available)  
Plug: not included

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Pneumatically (air) operated with Auxiliary Drum with Activated Carbon Pellets



CE (Ex) II 2 G/D c IIC T6 (85°C)  
LCIE 03 ATEX 6310

Designed for use in:  
Class I - Groups C & D and  
Class II - Groups E, F & G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Pneumatically (air) operated.
- Includes a Coalescing Filter Element (CFE) for moisture removal.
- Equipped with an Auxiliary Drum with Activated Carbon for the adsorption of toxic/nuisance fumes and vapors.
- Activated Carbon Drum contains 55 lbs (25 kg) of 3mm activated carbon pellets.
- All stainless steel SAE 304 construction (except cart).
- For liquid recovery (can also be used for dry recovery).
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Vacuum cleaner and drum are situated on a heavy duty powder coated Hydraulic Cart for easy emptying of recovered materials.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

### Part # 110281 - SS-25 AC TE (HY-C)

Weight and Dimensions: H51" x W20" x L49" 259 Lbs

Recovery Capacity in Tank: 17 gallons - Liquid and 15 gallons - Dry

Vacuum Pressure: 180" H<sub>2</sub>O

Air Flow: 110 CFM

Airline Size: 1/2"

Input Air Volume: Variable

Input Air Pressure: 80 PSI

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Pneumatically (air) operated with Auxiliary Drum for Hydrazine Vapors



CE Ex II 2 G/D c IIC T6 (85°C)  
LCIE 03 ATEX 6310

Designed for use in:  
Class I - Groups C & D and  
Class II - Groups E, F & G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Pneumatically (air) operated.
- Includes a Coalescing Filter Element (CFE) for moisture removal.
- Equipped with an Auxiliary Drum that can be filled with bleach in order to neutralize Hydrazine vapors.
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Vacuum cleaner and drum are situated on a heavy duty powder coated Hydraulic Cart for easy emptying of recovered materials.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

### Part # 110414 - SS-25 HRS TE (HY-C)

Weight and Dimensions: H51" x W20" x L49" 259 Lbs

Recovery Capacity in Tank: 17 gallons - Liquid and 15 gallons - Dry

Vacuum Pressure: 180" H<sub>2</sub>O

Air Flow: 110 CFM

Airline Size: 1/2"

Input Air Volume: Variable

Input Air Pressure: 80 PSI

Also available with a 55 gallon drum

Recovery Capacity in Tank - 45 gallons - Liquid and 40 gallons - Dry

## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Pneumatically (air) operated



CE  II 2 G/D c IIC T6 (85°C)  
LCIE 03 ATEX 6310

Designed for use in:  
Class I - Groups C & D and  
Class II - Groups E, F & G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Pneumatically (air) operated
- Available with an Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors.
- All stainless steel SAE 304 construction (except cart).
- For liquid recovery (can also be used for dry recovery).
- Recovery capacity in tank - 12.5-45 gallons - liquid and 10-40 gallons - dry.
- Equipped with a static dissipative 4-wheel tilting cart for easy emptying of recovered materials.
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Pneumatically (air) operated

### **Part # 110270 - SS-15 (TC) TE**

Weight and Dimensions: H x W x L Lbs  
Recovery Capacity in Tank: 12.5 gallons - Liquid and 10 gallons - Dry  
Vacuum Pressure: 180" H<sub>2</sub>O  
Air Flow: 110 CFM  
Airline Size: 1/2"  
Input Air Volume: Variable  
Input Air Pressure: 80 PS  
**NSN # 7910-01-534-2885 NATO STOCK# 7910-21-910-8810 TYPE A1**



### **Part # 110274 - SS-25 (TC) TE**

Weight and Dimensions: H43" x W27" x L 83 Lbs  
Recovery Capacity in Tank: 17 gallons - Liquid and 15 gallons - Dry  
Vacuum Pressure: 180" H<sub>2</sub>O  
Air Flow: 110 CFM  
Airline Size: 1/2"  
Input Air Volume: Variable  
Input Air Pressure: 80 PSI  
**NATO STOCK # 7910-21-910-8810 TYPE B**



### **Part # 110278 - SS-55 (TC) TE SINGLE VENTURI**

Weight and Dimensions: H50" x W28" x L 153 Lbs  
Recovery Capacity in Tank: 45 gallons - Liquid and 40 gallons - Dry  
Vacuum Pressure: 180" H<sub>2</sub>O  
Air Flow: 110 CFM  
Airline Size: 1/2"  
Input Air Volume: Variable  
Input Air Pressure: 80 PSI  
**NATO STOCK # 7910-21-910-8810 TYPE C**



### **Part # 110282 - SS-55 (TC) TE TWIN VENTURI**

Weight and Dimensions: H50" x W28" x L 153 Lbs  
Recovery Capacity in Tank: 45 gallons - Liquid and 40 gallons - Dry  
Vacuum Pressure: 230" H<sub>2</sub>O  
Air Flow: 195 CFM  
Airline Size: 1"  
Input Air Volume: Variable  
Input Air Pressure: 100 PSI  
**NATO STOCK # 7910-21-908-3235 TYPE C**



## Legally Certified Explosion Proof/Dust Ignition Proof Vacuum Cleaners for Fuel and Solvent Recovery

Pneumatically (air) operated with Dead Man Brake



CE II 2 G/D c IIC T6 (85°C)  
LCIE 03 ATEX 6310

Designed for use in:  
Class I - Groups C & D and  
Class II - Groups E, F & G

- Legally certified explosion proof/dust ignition proof by a recognized testing laboratory.
- Less than 10 ohms of resistivity.
- Pneumatically (air) operated.
- Available with an Activated Carbon Cartridge for the adsorption of toxic/nuisance fumes and vapors.
- All stainless steel SAE 304 construction (except cart).
- For liquid recovery (can also be used for dry recovery).
- Recovery capacity in tank - 45 gallons - liquid and 40 gallons - dry.
- Equipped with a static dissipative 4-wheel tilting cart for easy emptying of recovered materials. Also equipped with a Dead Man Brake to avoid unit movement while on duty.
- The vacuum cleaner is equipped with reflective red and yellow bands.
- Turn key system includes a Liquid Filter, Strainer Basket, Nitrile De-Fueling hose and Ground Continuity Tester. Optional tool kits are available for picking up spills off of the floor.

### Part # 110278-DMB - SS-55 (DMB) TE SINGLE VENTURI

Weight and Dimensions: H x W x L Lbs  
Recovery Capacity in Tank: 45 gallons - Liquid and  
40 gallons - Dry  
Vacuum Pressure: 180" H<sub>2</sub>O  
Air Flow: 110 CFM  
Airline Size: 1/2"  
Input Air Volume: Variable  
Input Air Pressure: 80 PSI

### Part # 110282-DMB - SS-55 (DMB) TE TWIN VENTURI

Weight and Dimensions: H x W x L Lbs  
Recovery Capacity in Tank: 45 gallons - Liquid and  
40 gallons - Dry  
Vacuum Pressure: 230" H<sub>2</sub>O  
Air Flow: 195 CFM  
Airline Size: 1"  
Input Air Volume: Variable  
Input Air Pressure: 100 PSI

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Activated Carbon Drum for use with Fuel Recovery Vacuum Cleaners



- Less than 10 ohms of resistivity.
- Designed for the adsorption of toxic/nuisance vapors, fumes and odors.
- All stainless steel SAE 304 construction.
- For liquid recovery (can also be used for dry recovery).
- Drum system contains 55 lbs (25 kg) of 3mm Activated Carbon pellets.
- Based on a static dissipative 4-wheel dolly for easy manoeuverability. Cart has static dissipative and conductive wheels.
- Includes a static dissipating, fuel resistant Connection Hose.

### Part # 211011 - AC-25 (4W) EX

Weight and Dimensions: H41" x W16" x L 117 Lbs

---

### Activated Carbon Pellets

P/N 211044A - Activated Carbon 3mm pellets, Regular Type, 55 lbs (25 kg)

P/N 211044C - Activated Carbon 4mm pellets, Regular Type, 55 lbs (25 kg)



## Activated Carbon Cartridge for use with Fuel Recovery Vacuum Cleaners

### For use with Model EXP1-15 (TC) TE and Model SS-15 (TC) TE

P/N 211046A - Assembled Stainless Steel Housing Box with Activated Carbon Filter

**NSN # 7910-01-534-2531**

P/N 211026A - Stainless Steel Housing Box for Activated Carbon Filter

P/N 211045 - Activated Carbon filter Cartridge (Square) **NSN# 7910-20-000-8528**

---



### For use with Model EXP1-25 (TC) TE and Model SS-25 (TC) TE

P/N 211046B - Assembled Stainless Steel Housing Box with Activated Carbon Filter

P/N 211026B - Stainless Steel Housing Box for Activated Carbon Filter

P/N 211045 - Activated Carbon filter Cartridge (Square) **NSN# 7910-20-000-8528**

---

### For use with Model EXP1-55 (TC) TE and Model SS-55 (TC) TE

P/N 211046C - Assembled Stainless Steel Housing Box with Activated Carbon Filter

P/N 211026C - Stainless Steel Housing Box for Activated Carbon Filter

P/N 211045 - Activated Carbon filter Cartridge (Square) **NSN# 7910-20-000-8528**

---

## Tools and Accessories for use with Fuel Recovery Vacuum Cleaners

Required in order to pick up spills off of the floor  
Can be used with all Fuel Recovery Vacuum Cleaners



### Nitrile Suction Hoses

P/N 381050 - Nitrile Suction Hose Assembly, SD\*,  $\varnothing 1.5"$  x 10' for  $\varnothing 1.5"$  Camlock Intake

P/N 381121 - Nitrile Suction Hose Assembly, SD\*,  $\varnothing 1.5"$  x 10' for  $\varnothing 2"$  Camlock Intake

---

### Part #381113 Tool Kit #7 consists of:

P/N 381364 - Wand Assembly (2 pcs), Stainless Steel with Aluminum attachment **NSN # 7910-01-484-5251**

P/N 381236 - Universal Floor Tool with conductive brush strips, rubber blades, brass axle and wheels,  
18", Aluminum

P/N 381188 - Crevice Tool, SD\*, 11", Aluminum **NSN # 7910-01-484-7606**

P/N 381190 - Conical Nozzle Assembly, 6", Nitrile

P/N 381219 - Conical Nozzle Assembly, 21", Nitrile **NSN # 7910-01-534-2883**

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Accessories for use with Fuel Recovery Vacuum Cleaners

### Liquid Filter

P/N 211010 - Liquid Filter Assembly for 15/25 gallons models, SD\*

**NATO STOCK # 7910-20-000-8526**

P/N 211016 - Liquid Filter Assembly for 55 gallons models, SD\*

**NATO STOCK # 7910-20-000-8523**



### Strainer Basket

P/N 211795 - Strainer Basket for 15/25 gallons models, SD\*

P/N 211796 - Strainer Basket for 55 gallons models, SD\*



### Main Cloth Filter for dry recovery

P/N 211013 - Main Cloth Filter for dry recovery for 15/25 gallons models, SD\*

**NSN # 7910-01-534-0988 NATO STOCK # 7910-20-000-6713 TYPE A & B**

P/N 211019 - Main Cloth Filter for dry recovery for 55 gallons models, SD\*

**NATO STOCK # 7910-20-000-8530**



### Nitrile De-Fueling Hose

P/N 381100 - Nitrile De-Fueling Hose Assembly, SD\*,  $\phi 0.75$ " x 25" for  $\phi 1.5$ " camlock

**NATO STOCK # 4720-20-000-6920**

P/N 500126 - Nitrile De-Fueling Hose Assembly, SD\*,  $\phi 0.75$ " x 25" for  $\phi 2$ " camlock



### Air Supply Hose

P/N 211030 - Air Supply Hose Assembly, SD\*,  $\phi 0.5$ " x 50" with Quick Disconnect Fittings

**NATO STOCK # 7910-20-000-6920**

P/N 211032 - Air Supply Hose Assembly, SD\*,  $\phi 1$ " x 50" with Quick Disconnect Fittings



### Ground Continuity Tester

P/N 211065 - Ground Continuity Tester



### Grounding Reel

P/N 211191 - Grounding Reel with stainless steel cable with Aircraft Grounding  
Clamp, 50'

P/N 211191SPE - Grounding Reel with stainless steel cable with Bayonet Plug, 50'



### Manual Pump

P/N 212638 - Manual Pump Assembly with S/S Lid for 15/25 gallon models

P/N 212640 - Manual Pump Assembly with S/S lid for 55 gallon models

**NATO STOCK # 4930-20-001-5544**



## Vacuum Cleaners for the recovery of Chips and Coolant

Electrically operated



- Cleaning Machine Class 161101 - 161181 - All the electrical components are recognized or certified UL or CSA and qualifies for all applicable requirements C 22.2 No. 243-01 & STD No. 1017.
- Designed for the recovery of Chips and Coolant. Includes a Drain Hose to return the filtered Coolant back to the machine or into a collection drum.
- 3-stage Bypass heavy duty motor with tangential discharge.
- Middle Ring for wet and dry recovery.
- High-density Polyethylene Recovery Tank.
- Recovery capacity 11.8 gallons of Coolant in Recovery Tank and 2.6 gallons of Chips in Sieve Basket .
- Tilting Cart (TC) for easy disposal of recovered materials.
- SOOW oil resistant Power Cable.

### Part # 112352A - HOGOIL-57L (TC) ELEC

Weight and Dimensions: H x W x L Lbs  
Recovery Capacity: 11.8 gallons - Coolant in Recovery Tank and 2.6 gallons - Chips in Sieve Basket  
Vacuum Pressure: 131" H<sub>2</sub>O  
Air Flow: 97 CFM  
Horse Power: 2 HP  
Watts: 1480  
Phase: single phase  
Amperage: 13.2 amps/60 Hz  
Voltage: 120V (other voltages available)  
Plug: Included

### Part # 112354A - HOGOIL-57L (TC) ELEC

Weight and Dimensions: H x W x L Lbs  
Recovery Capacity: 11.8 gallons - Coolant in Recovery Tank and 2.6 gallons - Chips in Sieve Basket  
Vacuum Pressure: 90" H<sub>2</sub>O  
Air Flow: 200 CFM  
Horse Power: 2.6 HP  
Watts: 1955  
Phase: single phase  
Amperage: 17 amps/60 Hz  
Voltage: 120V (other voltages available)  
Plug: Not included

For further information contact our sales representatives at 1-800-668-4437 or visit our website [www.tiger-vac.com](http://www.tiger-vac.com)

## Vacuum Cleaners for the recovery of Chips and Coolant

Electrically operated



- Cleaning Machine Class 161101 - 161181 - All the electrical components are recognized or certified UL or CSA and qualifies for all applicable requirements C 22.2 No. 243-01 & STD No. 1017.
- Designed for the recovery of Chips and Coolant. Includes a Drain Hose to return the filtered Coolant back to the machine or into a collection drum.
- Heavy duty 3-phase continuous duty motor/blower.
- For wet and dry recovery.
- All stainless steel SAE 304 construction (except cart).
- Recovery capacity 14 gallons of Coolant in Recovery Tank and 12 gallons of Chips in Sieve Basket .
- Detachable Tank (DT) for easy disposal of recovered materials.
- Site Glass installed on Recovery Tank for prevent overflow.
- SOOW oil resistant Power Cable.

### **Part # 112360A1 - HOGOIL-100L (ELEC)**

Weight and Dimensions: H x W x L Lbs

Recovery Capacity: 14 gallons - Coolant in Recovery Tank and 12.4 gallons - Chips in Sieve Basket

Vacuum Pressure: 155" H<sub>2</sub>O

Air Flow: 206 CFM

Horse Power: 5 HP

Watts: 3600

Phase: 3-phase

Amperage: 7.1 amps/60 Hz

Voltage: 460V (other voltages available)

Plug: Not included

## Vacuum Cleaners for the recovery of Chips and Coolant

Pneumatically (air) operated



- Designed for the recovery of Chips and Coolant. Includes a Drain Hose to return the filtered Coolant back to the machine or into a collection drum.
- Pneumatically (air) operated
- Middle Ring for wet and dry recovery.
- High-density Polyethylene Recovery Tank.
- Recovery capacity 11.8 gallons of Coolant in Recovery Tank and 2.6 gallons of Chips in Sieve Basket .
- Tilting Cart (TC) for easy disposal of recovered materials.

### **Part # 112350 - HOGOIL-57L (TC) AIR**

Weight and Dimensions: H x W x L Lbs

Recovery Capacity: 11.8 gallons - Coolant in Recovery Tank  
and 2.6 gallons - Chips in Sieve Basket

Vacuum Pressure: 190" H<sub>2</sub>O

Air Flow: 125 CFM

Airline Size: 1/2"

Input Air Volume: Variable

Input Air Pressure: 80 PSI

## Accessories for use with Vacuum Cleaners for the recovery of Chips and Coolant

### Liquid Filter

P/N 211394 - Liquid Filter Assembly for Models HOGOIL-57L



### Sieve Basket and Accessories

P/N 214979B - Sieve Basket for Models HOGOIL-57L

P/N 218450 - Polypropelene Mesh Filter with Ring for Models HOGOIL-57L



### Main Cloth Filter

P/N 211430 - Main Cloth Filter Assembly with Ring for Models HOGOIL-57L



### Tools and Accessories included with the units

P/N 500382A - Vinylife Suction Hose Assembly with  $\phi 2''$  aluminum camlock,  $\phi 2''$  x 15

P/N 500211 - Bulk Pickup Nozzle,  $\phi 2''$  x 18", Aluminum



### Air Supply Hose Assembly

P/N 211789 - Air Supply Hose Assembly,  $\phi 0.5''$  x 25' with Quick Disconnect Fittings



### Drain Hose Assembly

P/N 218990 - Drain Hose Assembly,  $\phi 1''$  x 3.3' for Models HOGOIL-57L



### Optional Tools and Accessories

P/N 500210 - Wand, Double Bend,  $\phi 2''$  x 56", Aluminum

P/N 500212 - Gulper Tool,  $\phi 2''$  x 13", Aluminum

P/N 500156B - Crevice Tool,  $\phi 2''$  x 15", Aluminum

P/N 500230 - Conical Nozzle Assembly,  $\phi 2''$  x 7.5", Rubber with  
 $\phi 2''$  Aluminum Connector





