



SV-40 Propane Vacuum

----- Version 1.1

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1.0 Introduction

SV-40 USPRO is a water suction truck specially used for industrial floors. It is mainly driven by the engine to drive the fan, the water suction rake collects the water, and finally sucks the sewage and stores it in the pre-filter tank. It has high operating efficiency, driving function, saving time and labor.

1.2 Liability

We have made every effort to make this manual as complete and accurate as possible, and we do not assume any responsibility for any errors or missing information. Xingyi reserves the right to change the instructions in this manual without prior notice.

This manual is protected by copyright law. No part of it may be copied or used without the written consent of Xingyi.

In addition to general features, this manual also provides information on the use, repair and maintenance of the suction tank.

1.3 Transportation

Always ensure that the suction truck is emptied of water and other filtrate from the pre-filter tank before transport.

Make sure the water suction truck is securely fixed around it and remember to apply the handbrake to prevent movement during transportation. Make sure the safety belt or other device used for anchoring during transportation is tightened on non-moving parts.

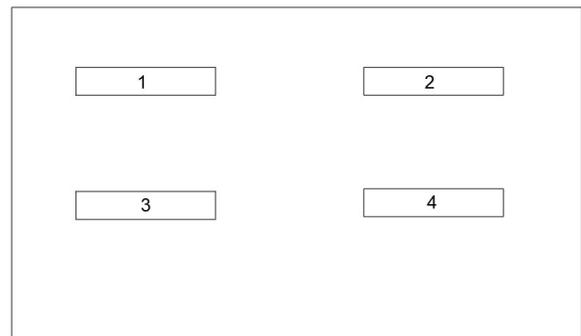
1.4 Spare parts

The products mainly include the following items, if anything is missing, please contact the retailer.

1.5 Receiving goods

During delivery, carefully inspect the packaging or the suction cart for damage. If there are any signs of damage, contact your retailer and report it. Check that the delivery is in accordance with the order. If there are any discrepancies, contact Slurry Monster.

1.6 Machine Nameplate



1. Model
2. Production date
3. Power
4. Weight

1.7 Storage

The suction trolley should be stored in a dry place at normal temperature when not in use. Otherwise, condensation or cold damage may occur. The dimensions and weights of the suction trolley are given in the technical data section of this manual

2.0 General Safety

Warning: Please read the following carefully before using the machine. This manual lists important information for using this machine and operating it safely!

All repairs must be completed by qualified professionals, and any replacement parts of the machine must be provided by Slurry Monster.

Note:

1. Read and understand the safety instructions in the machine manual. Different models have different accessories and controls.
2. Only one person is needed to operate this machine.
3. This machine is only suitable for industrial water and slurry collection.
4. Do not rent this machine without the operating instructions.
6. Wear proper personal safety equipment as required during operation.
7. Keep your body, jewelry and loose clothes away from the moving parts of the machine.
8. Do not modify the machine. Only use the accessories provided by Slurry Monster for repair and modification.
9. When operating the machine, there should be no explosive or flammable materials nearby.

2.1 LP Gas Safety

1. All LP gas cylinder valves, low-pressure regulators, and hose replacements should only be performed by professionals.
2. Note: After the machine stops, the LP gas valve

should be closed.

3. If you find a gas leak, you must stay calm and take the following correct measures: First, immediately close the gas tank valve to cut off the gas, open the doors and windows for ventilation. In addition, do not turn on or off any electrical appliances, do not make phone calls or mobile phones in a room full of gas, and do not turn on the exhaust fan, as these are prone to sparks and explosions. In addition, do not leave anyone indoors, and make repair calls outdoors, away from the affected area.

4. In case of fire, you should remain calm, immediately close the gas valve, use foam or dry powder fire extinguishing to put out the fire.

6. LP gas tanks should be inspected regularly as required by OSHA Standards.

7. Gas cylinders must be stored properly. Do not store near flames or high temperatures, because the pressure inside the gas cylinder increases with temperature.

8. The fuel hoses should be replaced every 2-3 years, tighten them with clamps when in use, If the hose has problems such as aging or corrosion, it should be replaced immediately.

9. When transporting gas cylinders, they must be handled in accordance with OSHA regulations.

10. It is strictly forbidden to use the gas cylinder lying down or upside down.

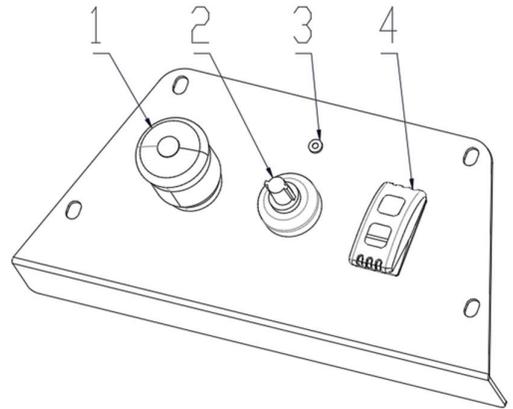
3.0 Machine Description

SV-40 USPRO is a high-performance industrial water suction vacuum designed for the flooring industry, suitable for uses such as concrete grinding, epoxy floor construction, and floor cleaning. The water suction vacuum uses a high-power air ring vacuum pump, which can quickly remove residual slurry, mud and fine particles on the ground, improving construction efficiency and the cleanliness of the working environment.

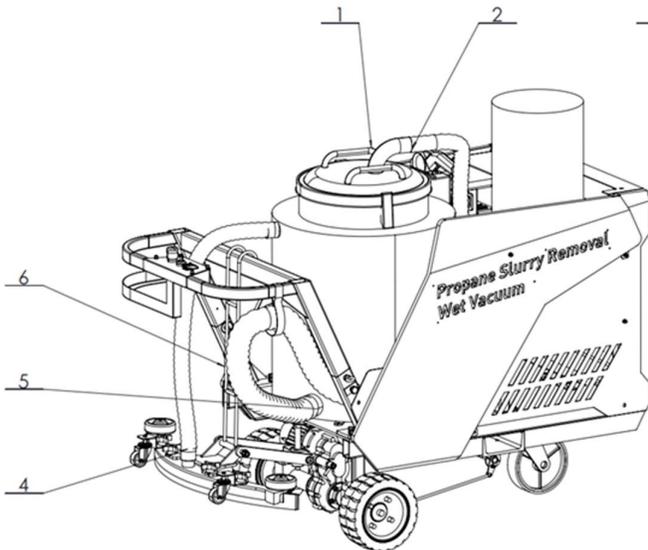
The water suction vacuum uses a propane engine to drive a gas ring vacuum pump to achieve efficient water suction. No additional power input is required. It is also equipped with a travel drive system, which greatly reduces the burden of manual pushing and improves operating efficiency and ease of operation in complex environments.

- 4. Steel wire hose / 50mm
- 5. Steel wire hose / 80mm
- 6. Rack components

3.2 Operation Controls



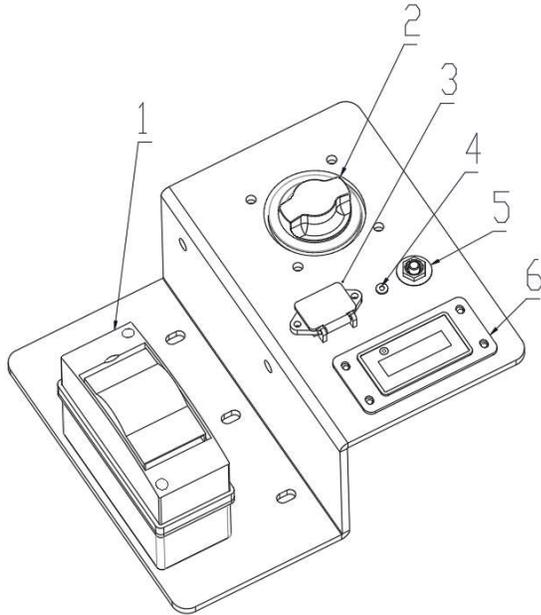
3.1 Parts Exploded View



- 1. Pre filter tank
- 2. Steel wire hose / 50mm
- 3. Transmission

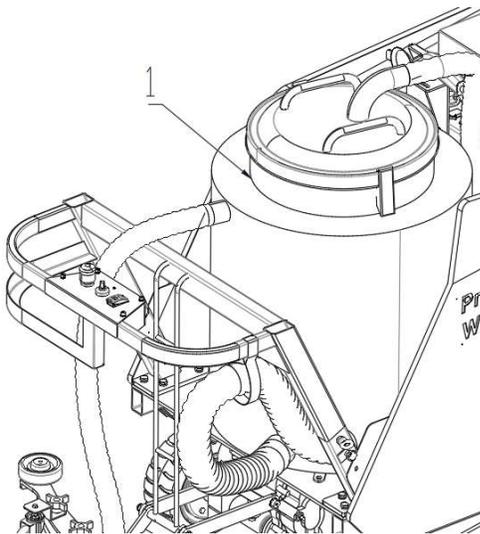
1. Emergency Stop switch
2. Walking speed control
3. Power indicator light
4. Forward/reverse rocker switch

3.3 Electrical Panel



1. Main travel breaker (24V)
2. Main engine breaker (12V)
3. Battery charging port
4. Travel indicator light
5. Overload breaker
6. Battery power display

3.4 Pre filter tank

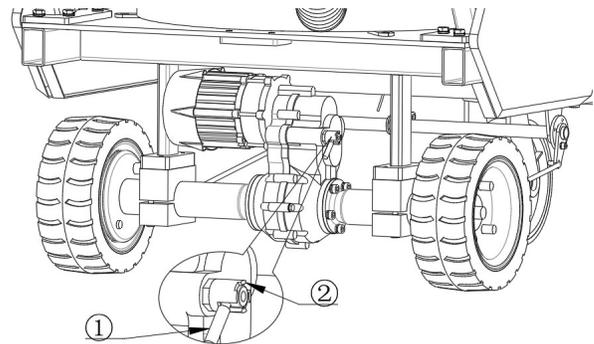


The pre-filter tank is the core component of water storage and solid-liquid separation filtration. Its working principle is that the fan drives the negative pressure in the barrel, collects water through the water suction squeegee, and uses the negative pressure to introduce the water into the PU steel wire hose, and finally stores it in the pre-filter barrel. There is a filter bag above the pre-filter barrel to prevent water from entering the fan and causing damage to the fan. There is a drain outlet at the bottom. When the tank is full, the plug can be removed to drain the water out of the barrel.

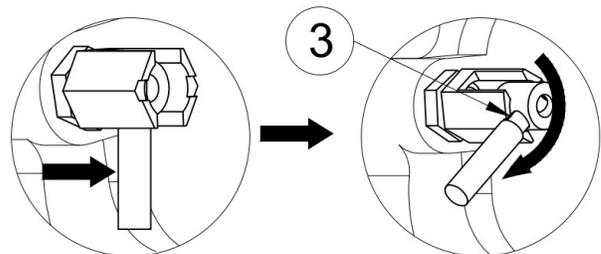
3.5 Drive Components

The clutch has two states:

Unlocked state of the clutch device: When the equipment is not working, loosen the clutch device, then pull out the clutch pin, rotate the clutch pin sleeve, clamp the clutch pin on the limit device 1 of the clutch pin sleeve, and tighten the clutch device.



1. Clutch pin
2. Clutch housing
3. Locking device



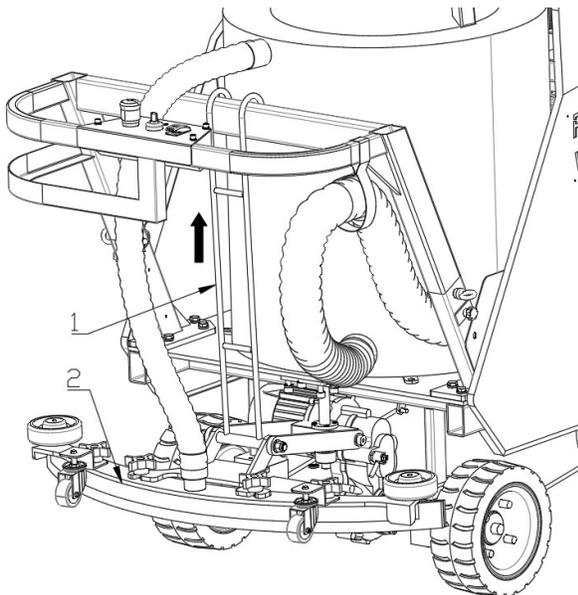
When the clutch pin is in the outer position, it is unlocked. When the clutch pin is in the inside slot it is locked for normal use. You may unlock the clutch to move the machine manually.

3.6 Hand Brake Component

There is a handbrake located on top of the water suction tank, you can lock the drive wheel when unloading and rinsing the tank. Be sure the device is unlocked before normal use to prevent unnecessary drag on the engine and clutch.

3.7 Suction Squeegee

The main purpose of the suction squeegee is to collect water on the ground so that it can be sucked into the storage tank. When the equipment is in use, the squeegee connecting shaft must be lowered and the squeegee must be close to the ground. When the equipment is transported, the squeegee connecting shaft can be hung on the handle to prevent the squeegee from contacting the ground and causing wear.

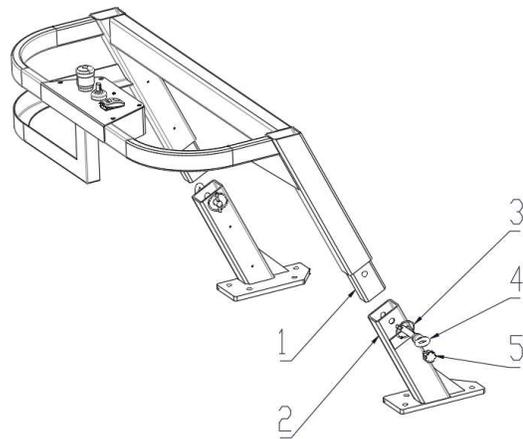


3.8 Handle Assembly

The handle of the water suction vacuum is mainly used to manually control the steering of the machine. There is a control panel on the handle to adjust the driving speed and the direction of the

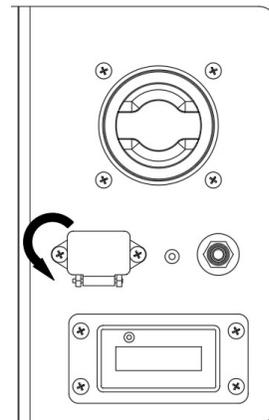
driving wheel. The handle of the machine is detachable, which can reduce the size of the machine and facilitate packaging or transportation in a small space.

Disassembly of the handle: Remove the annular pin (No. 3) and quick-release pin (No. 4) from the handle base (No. 2) and rotate the star-shaped handle (No. 5) out; Disconnect the electrical cable by unplugging the waterproof connector. Now the upper handle (No. 1) can be removed.



3.9 Battery Charging

When the reserve battery of the device is out of power, or the power indicator on the power display is less than 20%, then you need to charge the reserve battery. Open the cover of the charging port and plug in the charger provided with this machine.



4.0 Machine Maintenance

We recommend that you check the machine regularly to extend its service life.

Use protective equipment such as safety shoes, protective gloves, protective masks.

4.1 Daily Inspection

Check the emergency stop, speed regulation, forward and reverse switch functions on the control panel.

For safety reasons, it is strongly recommended that you remember to press the emergency stop switch when stopping the machine, close the LP gas valve, and reset all switches.

4.2 Battery System

During long-term storage the battery system should be charged once a month to maintain the system.

4.3 LP Gas System

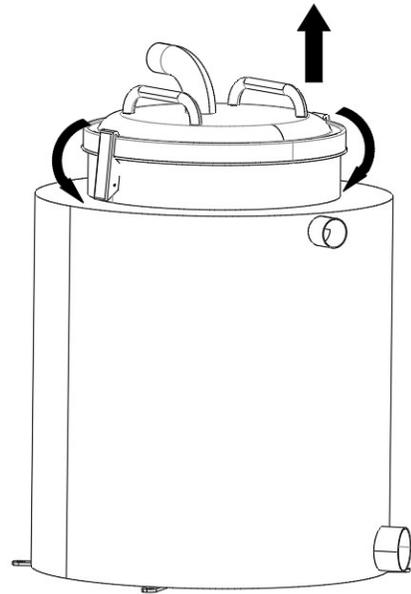
Check the LP gas bottle valve, low-pressure regulator, and hose. If any leakage is found, deal with it immediately. If the hose is aging, replace it immediately to ensure that the machine has no leakage.

4.4 Filter and Bag System

Check whether the filter bag is damaged and whether there is dirt accumulation at the bottom of the filter barrel, as it may cause damage to the fan. If necessary, clean or replace it as needed.

4.5 Tank Cleaning

Open the buckles on both sides of the filter barrel, remove the barrel cover and filter bag, check whether the filter bag is damaged and clean the dirt on the filter bag. Check whether there is dirt accumulation in the barrel, if necessary, clean it.



4.6 Repairs

Any repairs should only be done by qualified technician from Slurry Monster. Use only original parts for any repairs or modifications.

5.0 Troubleshooting

Problem	Possible causes	Workaround
Cannot start the machine	The emergency stop switch is pressed	Turn on the emergency stop switch
	The fan or motor is stuck	Troubleshoot fan or motor jam
	Power system damaged	Check the battery charge level
	Not operating according to specifications	Refer to the operation instructions
Lead-acid battery built into the machine Cannot charge	lead-acid battery is used to 0	Charge with a dedicated charger for 2 hours
	The battery is damaged, or has been charged and discharged more times than its lifespan	Replace the batteries
	Dedicated charger is damaged	Replace the charger

6.0. Technical Data

SV-40 USPRO	
Power	4.85KW / 6.5HP
Machine weight	340.5KG / 751LBS
Capacity	150L / 39.6gal
Overall dimensions (including gas tank) length x width x height	1631x909x1371mm/64.2x35.8x54.0in

6.1 Dimensions

