

# User Manual FMJ-GROUP

Model: FMJ-V50Pro

REV:16/02/2026



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[www.fumeijinggroup.com](http://www.fumeijinggroup.com)

# Introduction

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***Dear Customer:***

Congratulations on the purchase of your new **FMJ-V50Pro Commercial Carpet  
Extractor!**

As technology continues to develop, you can work confidently knowing that both FMJ-Group and its employees are equally dedicated to developing with the industry and its advances.

Like any other piece of machinery or technology, the FMJ-Group also requires the proper maintenance and care to keep the product working over extended use. Neglecting your machine, abusing it or not operating it properly can void its warranty and prevent the machine from performing to the quality and standard you'd expect out of the FMJ-Group line.

If you have any warranty concerns or questions, please review this manual thoroughly or do not hesitate to contact your distributor. If there are questions regarding maintenance, replacement, or ordering parts, please contact an authorized FMJ-Group Service Center. Visit [www.fumeijinggroup.com](http://www.fumeijinggroup.com) to find your nearest Service Center.

Before using your FMJ-Group product, please read this manual thoroughly.

*Sincerely,*

***FMJ-Group Customer Care Dept.***

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# Important Safety Information

## Grounding Instructions

This machine must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical shock. This machine is equipped with double cords having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed in accordance with all local code and ordinances. Do not remove ground pin; if missing, replace plug before use.



Improper installation of the equipment-grounding conductor can result in a risk of electric shock. Be sure to check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. If the plug will not fit in the outlet do not modify either the plug nor the machine's cord, instead have a proper outlet installed by a qualified technician.

This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (Figure 1) can be installed by a qualified electrician. When and if this type of adapter is employed, screw the adapter's extended tab into place with a metal screw. However, grounding adapters are not approved for use in Canada.

Again, be sure to check the grounding pin for damages and replace if necessary.

The Green, or Green-Yellow, wire in the cord is the grounding wire. When replacing a plug, this wire must be attached to only the grounding pin.

DO NOT use extension cords.

**Please Note for America use only.**

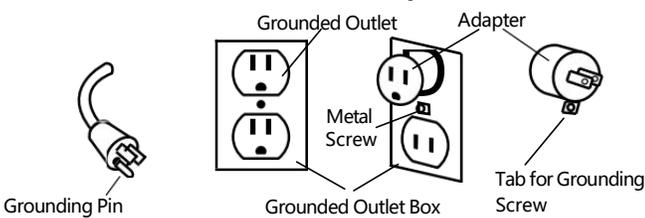


Figure 1

Figure 2

## Parts and Service

Please contact a FMJ-Group service personnel or FMJ-Group authorized Service Center using FMJ-Group original replacement parts and accessories for repairs are needing to be performed. When and if calling FMJ-Group for support, please have your Model available for faster assistance.

## Name Plate

The Mode is located on the lower half of the back of the machine near the Leakage protector and will be required for ordering replacement parts. You can use the space

provided on the front of this manual to note down both for future referencing.

## Unpacking the Machine

When your new machine is delivered, please carefully inspect both the shipping carton and the machine for damages. If damage is evident, save both the shipping carton and machine so that the delivering carrier can inspect it. Contact the carrier immediately to file a freight claim if there has been any damage.

## Caution and Warnings

### Symbols

FMJ-Group uses the symbols below to signal potentially dangerous conditions. Always read this information carefully and take the necessary steps to protect personnel and property.



DANGER

Is used to warn of immediate hazards that will cause severe personal injury or death.



WARNING

Is used to call attention to a situation that could cause severe personal injury.



CAUTION

Is used to call attention to a situation that could cause minor personal injury or damage to the machine or other property. When using an electrical appliance, basic precautions should always be followed, including the follow-

# Important Safety Information

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ing: Read all instructions before using this machine. This product is intended for commercial use only.

**To reduce the risk of fire, electrical shock, or injury:**

1. Read all instructions before using equipment.
2. Use only as described in this manual. Use only manufacturer's recommended attachments.
3. Always unplug power cord from electrical outlet before attempting any adjustments or repairs.
4. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
5. Do not pull or carry by cord. Do not close a door on cord or pull cord around sharp edges or corners.
6. Do not run appliance over cord. Keep cord away from heated surfaces.
7. Do not use with damaged cord or plug. If cord is damaged, repair immediately.
8. Do not use outdoors or on wet surfaces and/or standing water.
9. Always unplug or disconnect from power supply when not in use.
10. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
11. Do not use in areas where flammable or combustible material may be present.
12. Do not leave the unit exposed to harsh weather elements. Temperatures below freezing may damage components and void warranty.
13. Use only the appropriate handles to move and lift unit. Do not use any other parts of this machine for this purpose.
14. Do not pull on hoses in order to move the unit. Only use the appropriate handles.
15. Keep hair, loose clothing, fingers, and all parts of the body away from all openings and moving parts.
16. Use extra care when using on stairs.
17. To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.

18. The voltage and frequency indicated on the name plate must correspond to the wall receptacle supply voltage.

19. When cleaning and servicing the machine, local or national regulations may apply to the safe disposal of liquids which may contain: chemicals, grease, oil, acid, alkalies, or other dangerous liquids.

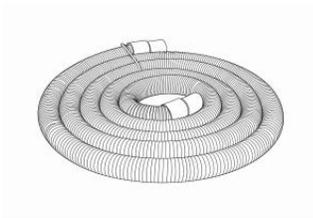
20. Do not leave operating unattended.

# 1 - At a Glance

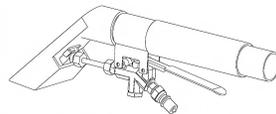
## 1.1 - Technical Specifications

<b>Solution Tank</b>	8 Gallons
<b>Recovery Tank</b>	8 Gallons
<b>Vacuum</b>	Single 5-Stage
<b>CFM</b>	100
<b>Water Lift</b>	130"
<b>Pump PSI</b>	800
<b>Pump GPM</b>	1.5(5.5L/min)
<b>Heater</b>	230v 6000 watt, 200°C max.
<b>Power Consumption</b>	1x16.5A @ 230V 1x17 A @ 230V
<b>Machine Weight</b>	127lbs.
<b>Machine Dimensions</b>	30" x 22" x 30"
<b>Power Cord</b>	Dual 3 2' 14/3

## 1.2 - Included with the FMJ-V50Pro



**32' x 2 Vacuum Hose**



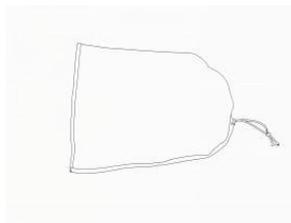
**Upholstery Tool**



**32' Solution Hose**



**2x14Awg Double Cables**



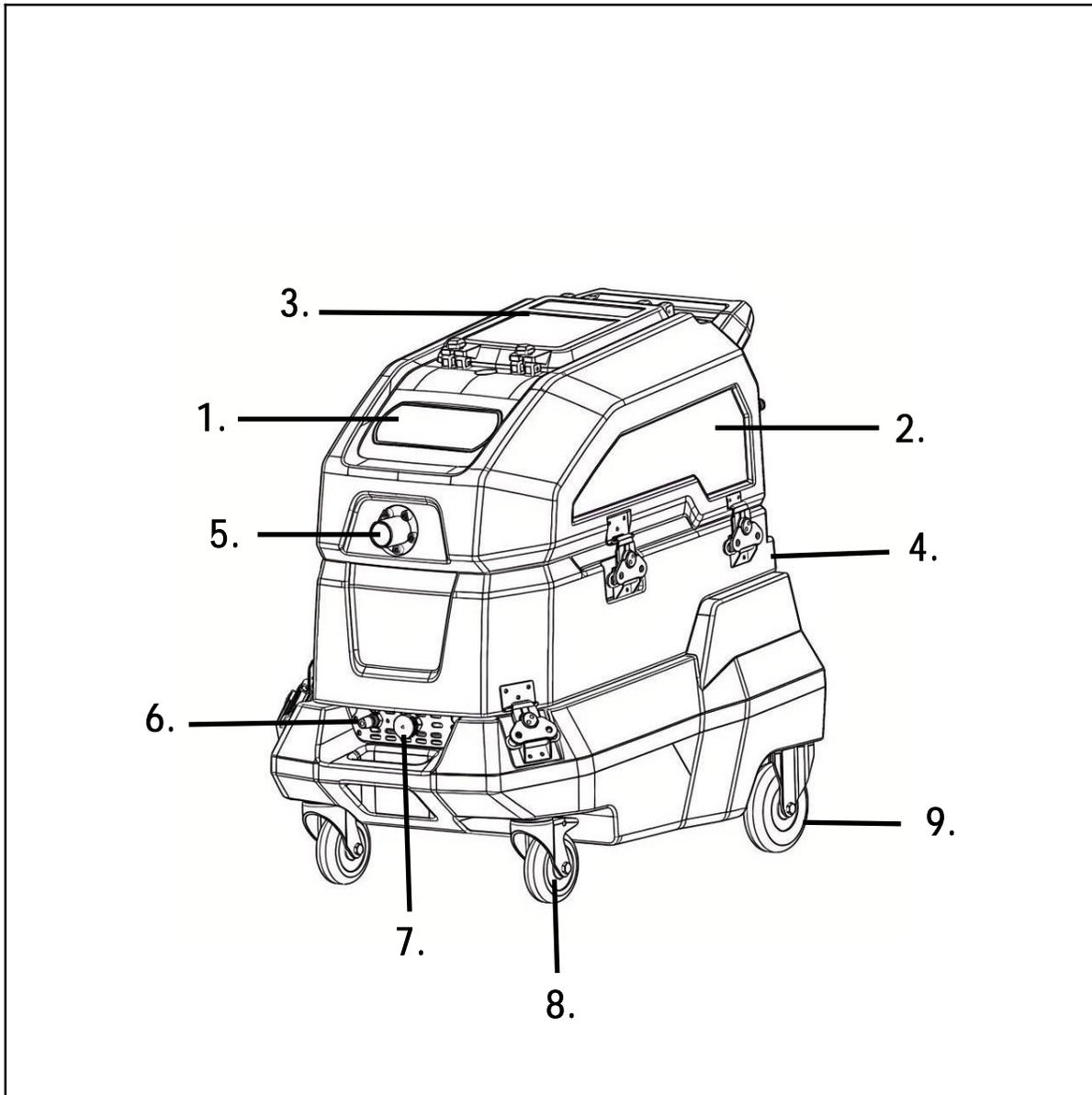
**Filter Bag**



**Connect the water hose**

# 1 - At a Glance

## 1.3 - FMJ-V50Pro Front View



1.Touch Screen

2.Recovery Tank

3.Recovery Tank Lid

4.Solution Tank

5.Suction Inlet

6. Brass quick connect

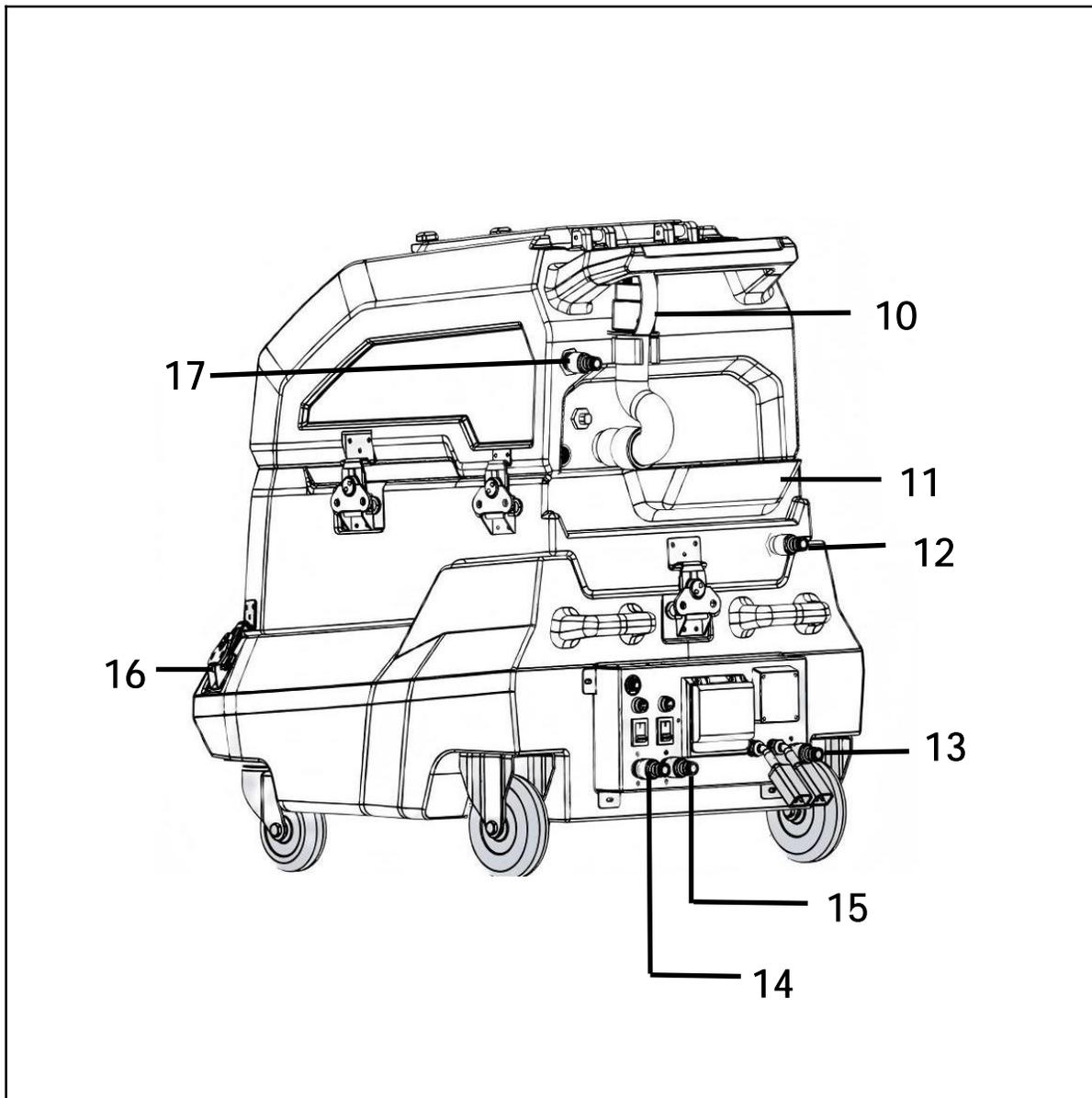
7. Water Flow Valve

8. 4 " Wheels

9. 10 " Wheels

# 1 - At a Glance

## 1.4 - FMJ-V50Pro Rear View



10.Recovery Tank Drain Hose

11.Solution tank opening

12.Solution tank water outlet

13.Solution Pump Inlet

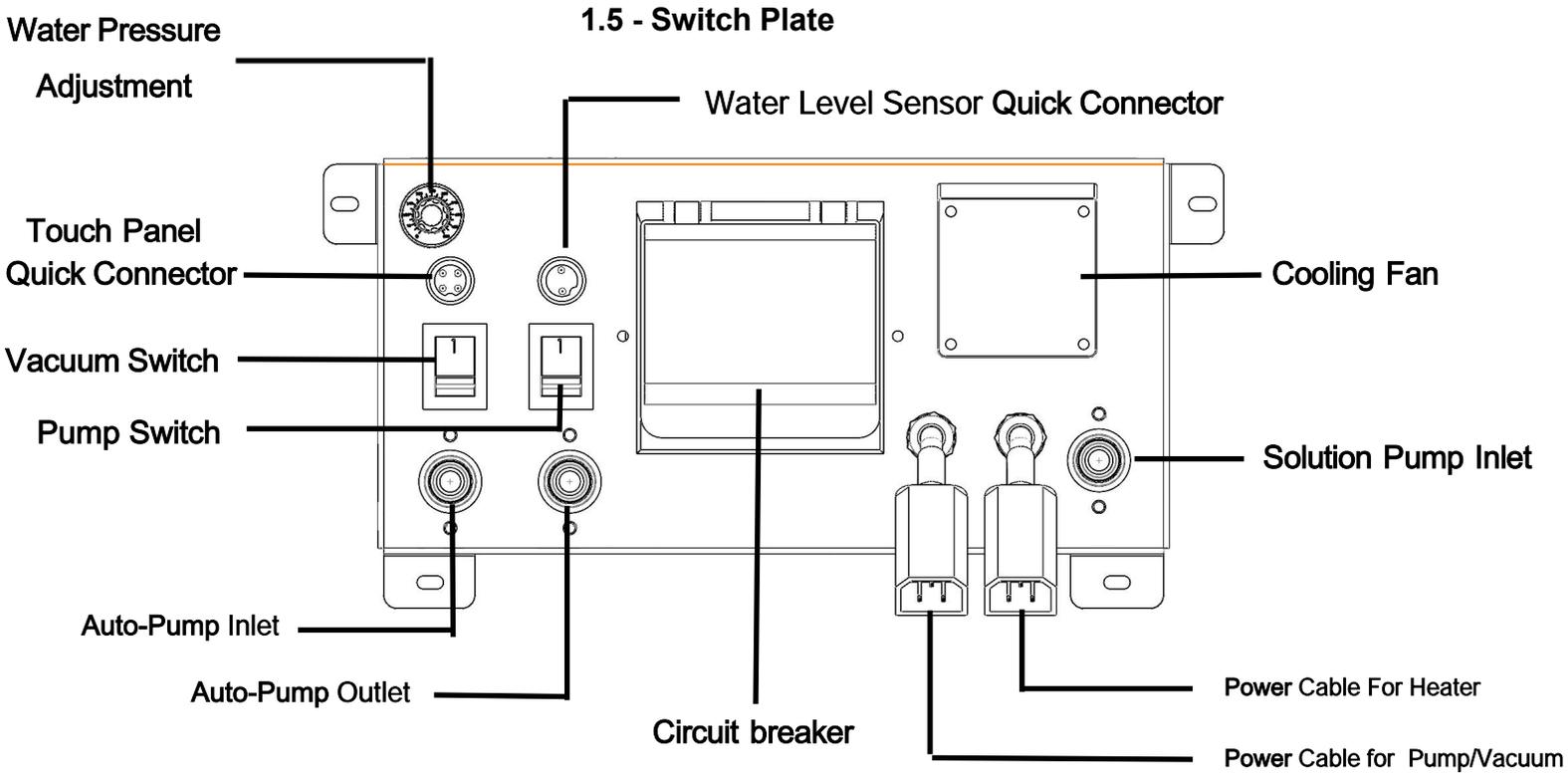
14.Auto-Pump Inlet

15.Auto-Pump Outlet

16. Recovery Tank Outlet for Auto-Pump Inlet

17.Butterfly lock

# 1 - At a Glance

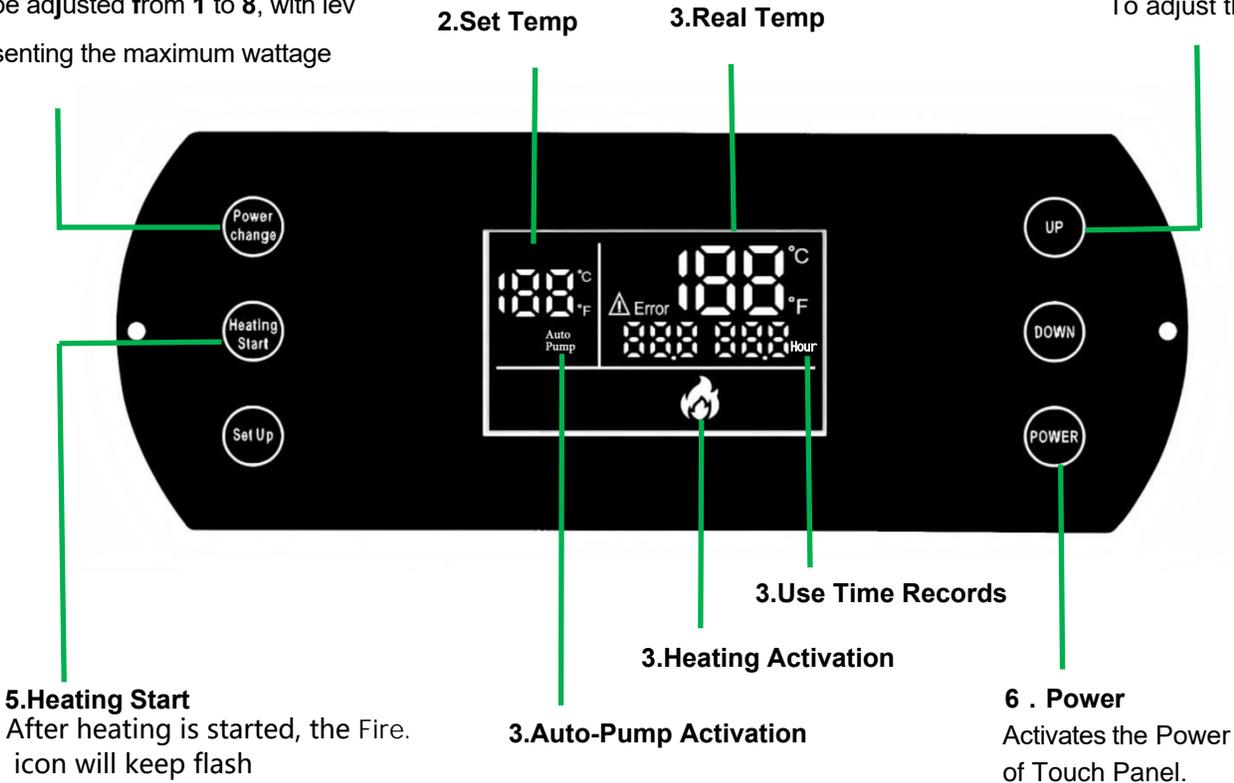


## 1. Power Change

Activates the heater. The heating power level can be adjusted from 1 to 8, with level 8 representing the maximum wattage

## 4. Up/Down

To adjust the temperature.



## 5. Heating Start

After heating is started, the Fire icon will keep flash

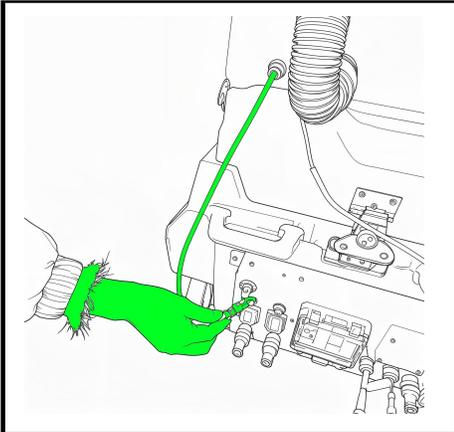
## 3. Auto-Pump Activation

## 6. Power

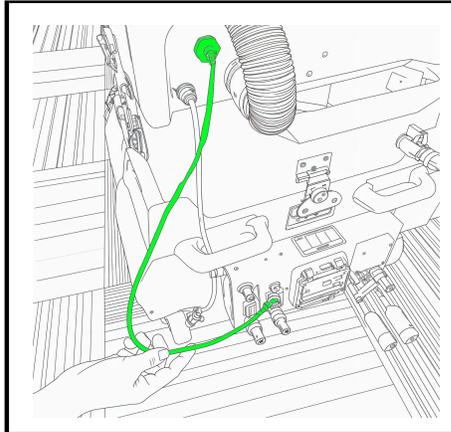
Activates the Power of Touch Panel.

## 2 - Machine Operation

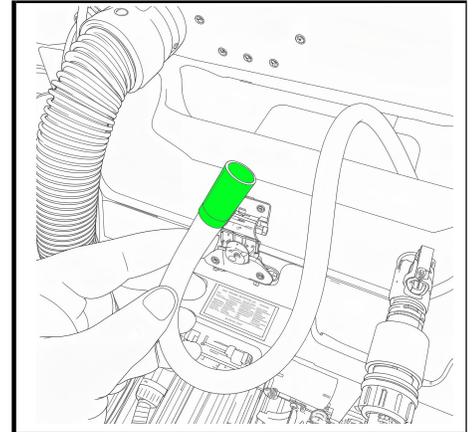
### 2.1 - Installing the cable of Touch Panel/open the valve



Installing the cable of Touch Panel

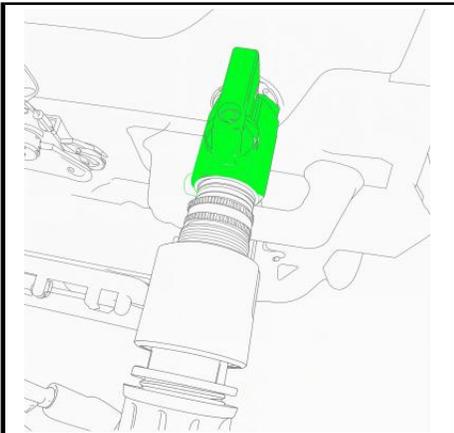


Connecting the water level sensor

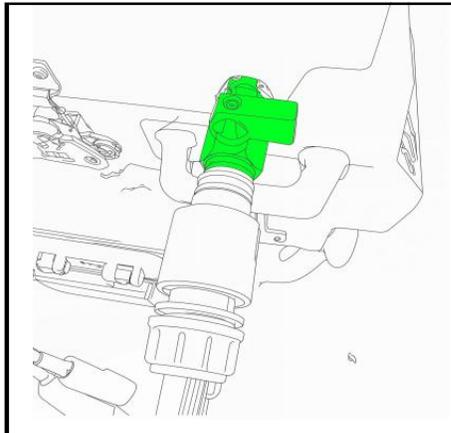


Metal Filter

(If machine discharging water, check if the filter end is clogged )

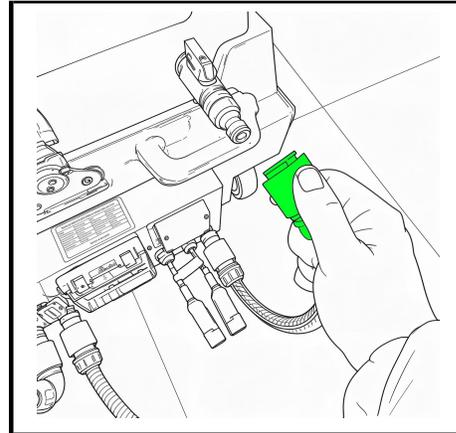
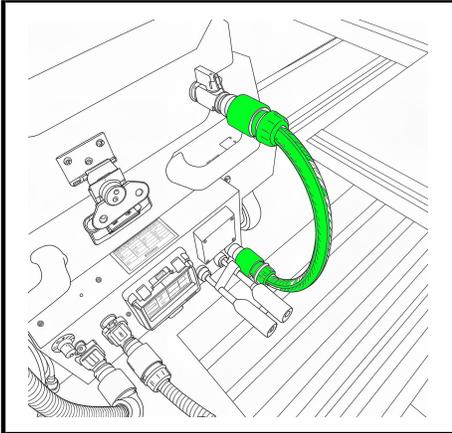


Valve Open

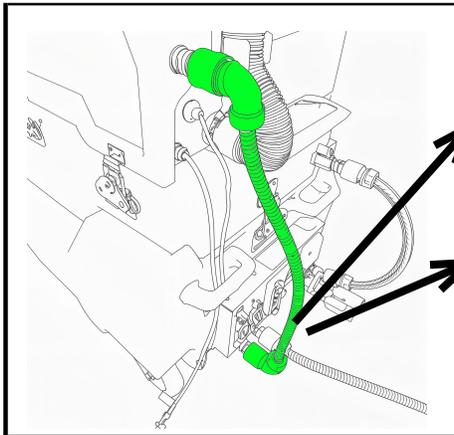


Valve closed

## 2.2 - Connecting Water Hoses For Solution Tank



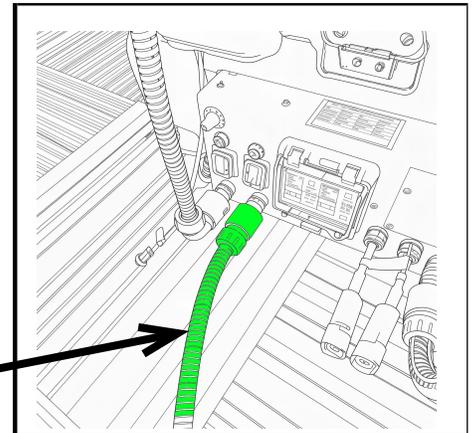
## 2.3 - Installing Auto-Pump Hose for Recovery Tank



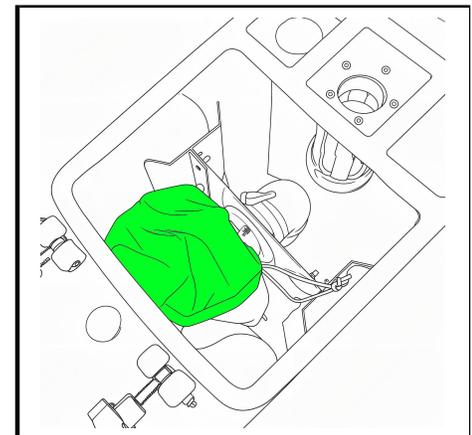
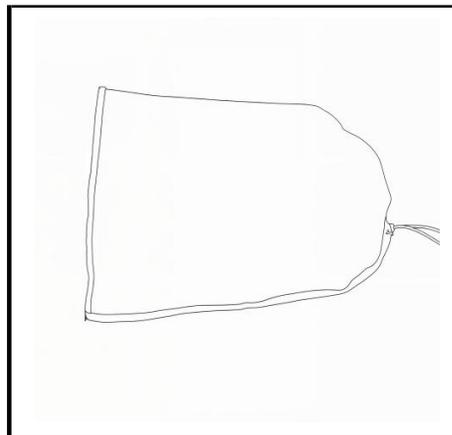
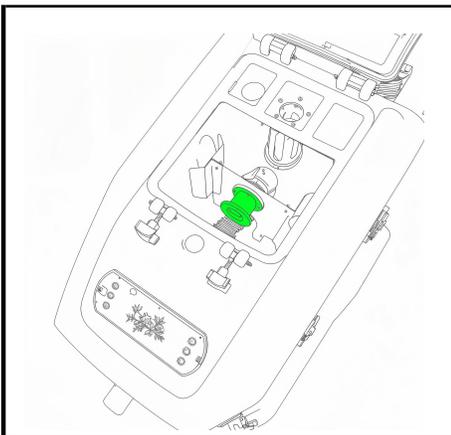
1. Do not Disassemble the water Hose and connector when vacuum motor working

2. The water In the Recovery Tank will be discharged countiously when the cable with 2 Pins quick connectors are installed!

3. The outlet hose could be extend to an bucket back of the machine or sewer

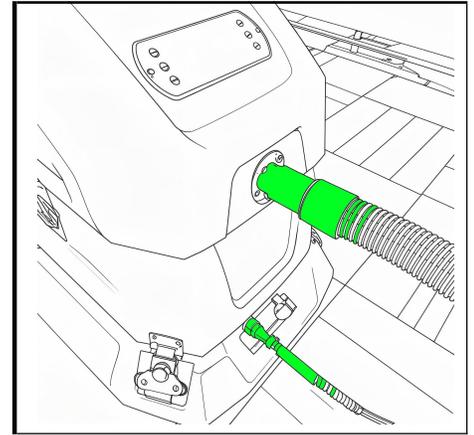
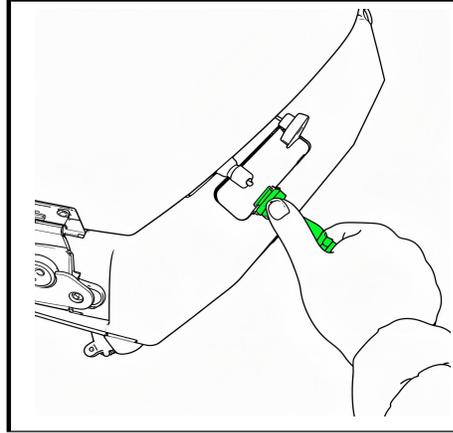
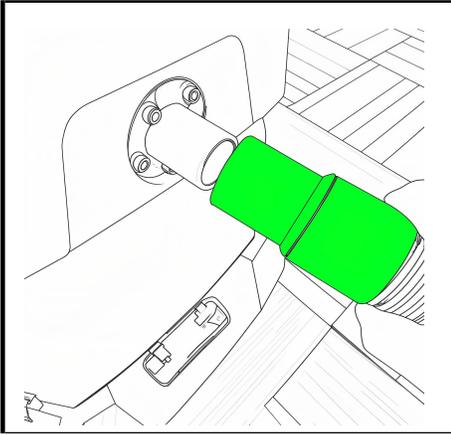


## 2.4 - Installing The Filter Bag

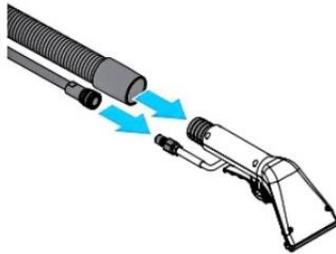


## 2 - Machine Operation

### 2.5 - Connecting Hoses & Cleaning Tools



CAUTION



Use only low foam or non foaming detergent or shampoo. Damage due to excessive foam will void warranty.

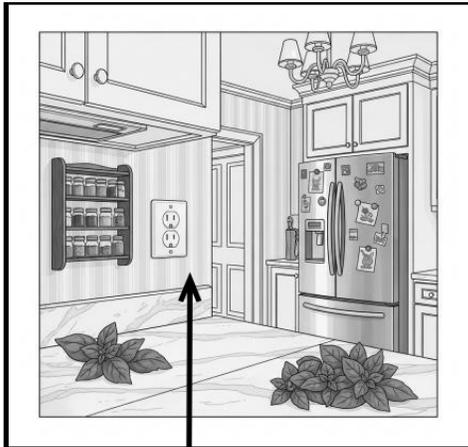


CAUTION

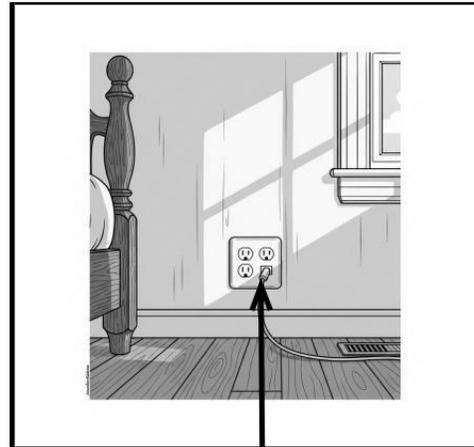
Empty the vacuum tank any time you refill the solution tank in order to prevent vacuum tank overfilling.

## 2 - Machine Operation

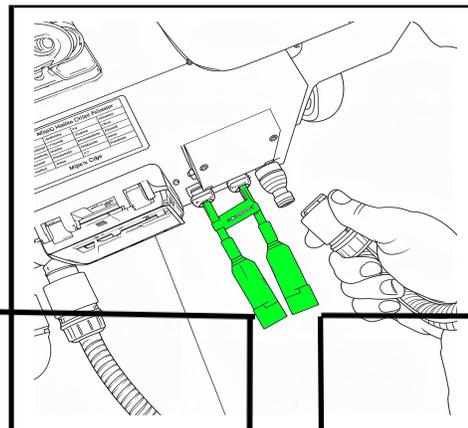
### 2.6- Installing the double Cable to different Rooms



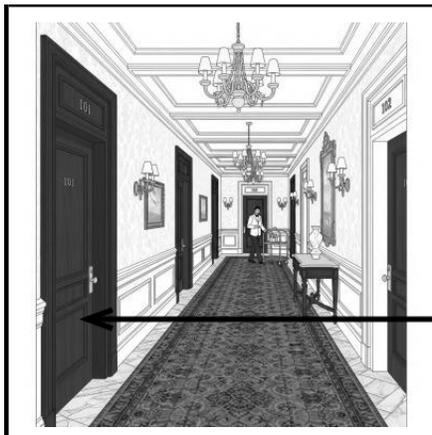
Family Room A  
Family Room B



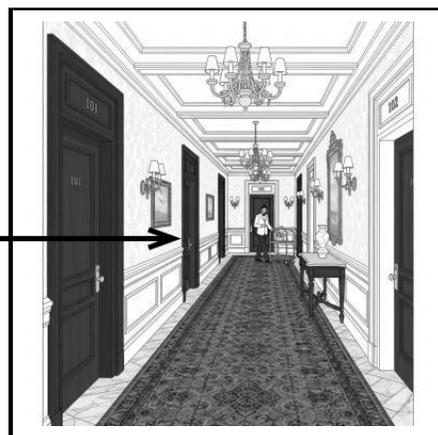
Power Cable  
for Heater



Power Cable for  
Pump & Vacuum



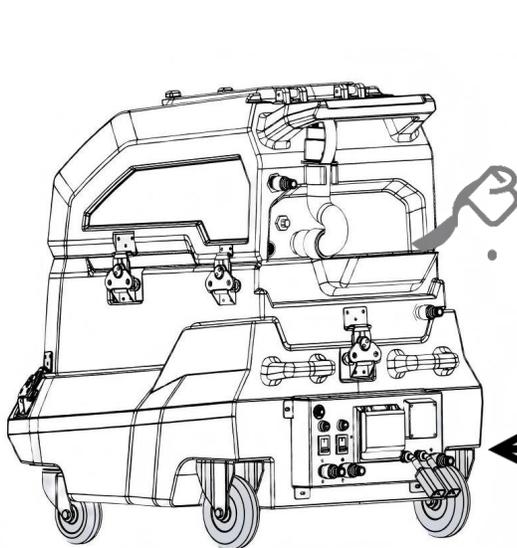
Hotel Room A



Hotel Room B

## 2 - Machine Operation

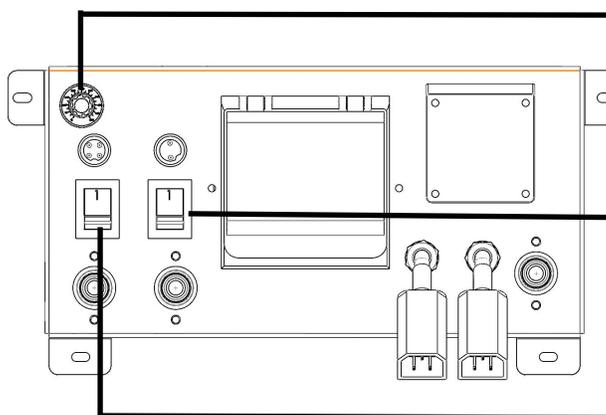
### 2.6 - Filling the Solution Tank



Bucket With spout is recommended

The solution tank can be filled up via the faucet fill hose or from a bucket via the opening.

### 2.7 - Operating the FMJ-V50Pro



1. Adjust the knob to the proper pressure

2. start the water pump  
( Be sure to connect the steam hose  
before starting the water pump switch)

3. start the vacuum motor

#### Switching On The Unit

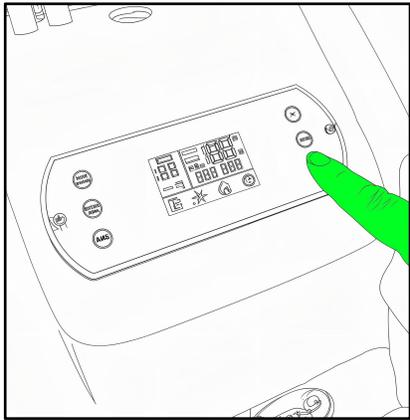
In order to avoid vapor locking the unit, use the following procedure to switch on the components:

1. Turn pump switch on.
2. Pull the lever on the cleaning tool to release air in the line. Hold lever until a steady flow of water comes out of the wand.
3. Once pump is primed and there is pressure in the solution line, turn on heater switch and wait a few minutes for water to heat up.
4. Once water is heated, turn on vacuum and begin cleaning.

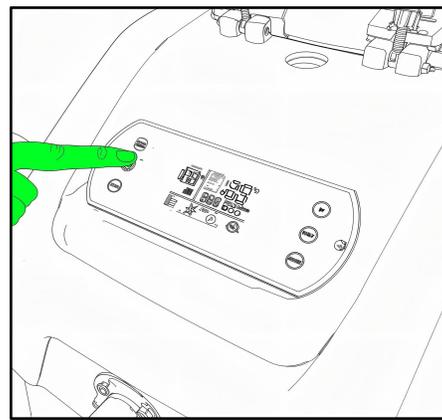
**Note:** When cleaning upholstery, always check manufacturer's cleaning instructions.

## 2 - Machine Operation

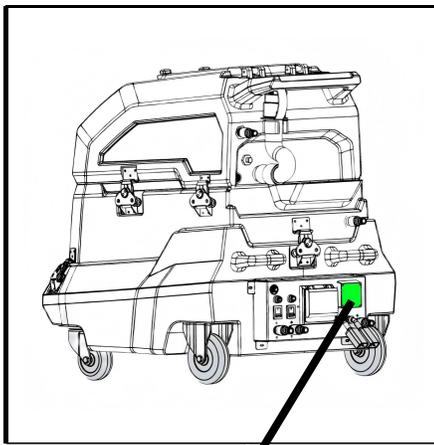
### 2.8 - How to judge whether it's powered on



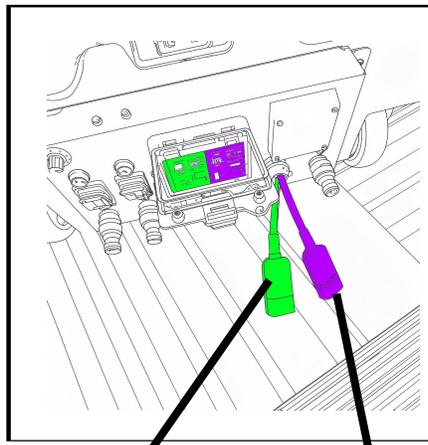
1. Turn on the touch screen



2. Touch the heating switch

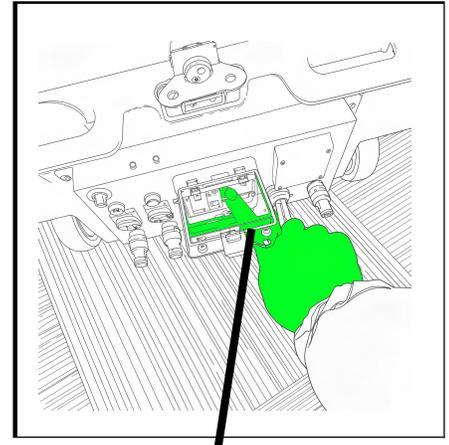


cooling fan



Heater Cable

Touch panel / Vacuum  
Pump Cord

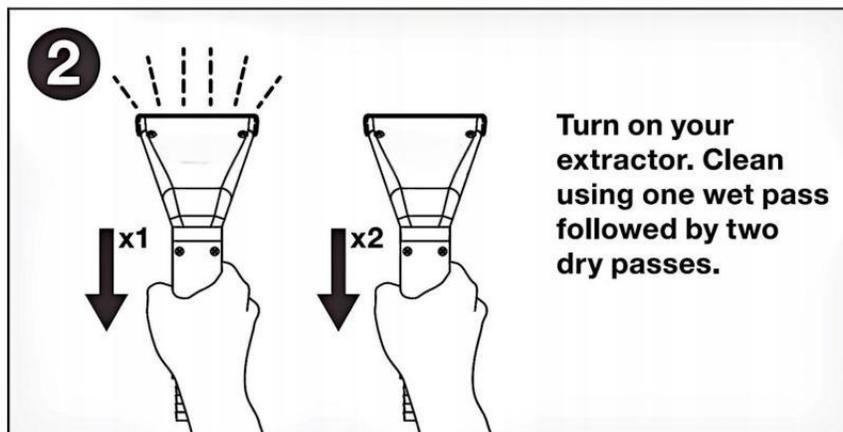
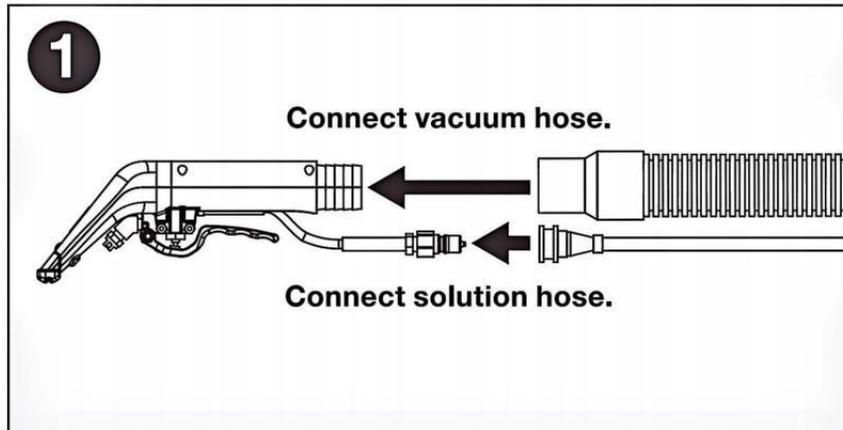


Test Button

1. The heating cannot be started. Please check whether the button is started and whether the leakage protector is turned off.
2. Before the machine works, check whether the cooling fan is running. You can hear the sound of the fan running, so you can judge whether it is powered on! Machine operation must ensure good operation of the cooling fan. If the fan is damaged, please stop working and replace it in time.
3. Please manually press the test button in the upper right corner of the two leakage protectors, press the small square button, and the leakage protector trips, indicating that the power is in good condition. If it does not trip, the wall is electrified!
4. Please be sure to connect the matching power cord to the wall, and do not use the plug row with substandard power!

## 2 - Machine Operation

### 2.9 How to clean with upholstery cleaning tools



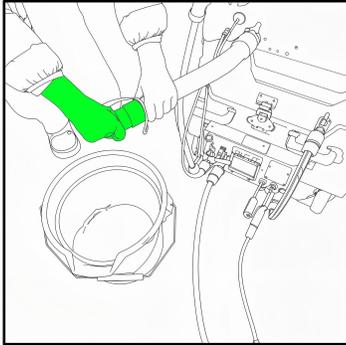
### Cleaning Procedure

For best results when extracting, do one wet pass followed by two dry passes. This ensures you're not over-soaking the material and keeps water temperature higher. The solution pump will only turn on when there is a pressure demand (e.g., while spraying with cleaning tool, or right at startup). If the pump is continuously running or pulsing, it does not necessarily mean that it is defective. If the pump is not producing the correct pressure and flow, see the Troubleshooting section of this manual

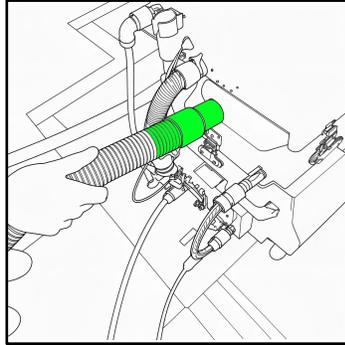
## 2 - Machine Operation

### 2.10 - Emptying the Solution & Recovery Tanks

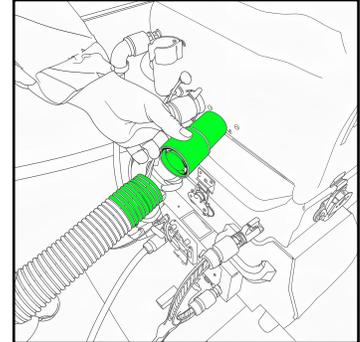
#### Option One: Emptying the Solution Tank



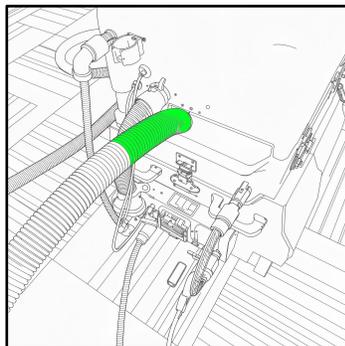
1. Emptying the Solution



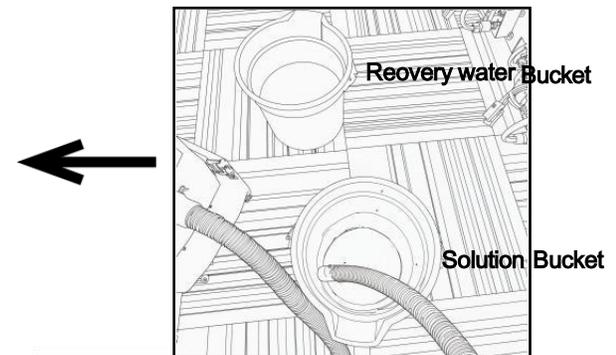
2. Find the cuffs



3. remove cuffs clockwise

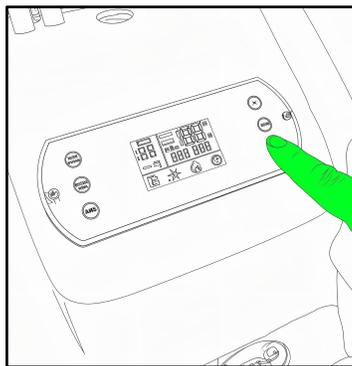


5. The Vacuum hose extends into the solution tank to suck up the clean water

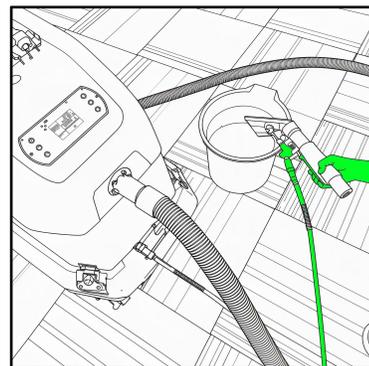


4. To clean vacuum hose with clean water

#### Option Two: Emptying the Solution Tank



Turn Off The Power



Release hot water to cold water

## 3 - Machine Maintenance

In order to keep the FMJ-GROUP running smoothly and reduce the risk of damage to the machine and subsequent downtime, Mytee recommends following the maintenance schedule below:

Maintenance Item	Daily	Weekly
Clean and inspect tanks.	X	
Clean and inspect hoses.	X	
Check and clean internal filters.	X	
Check power supply cable.	X	
Clean machine with all-purpose cleaner and cloth.	X	
Check spray nozzles.	X	
Flush solution system with Mytee System Maintainer.		X
Inspect vacuum hoses for holes and loose cuffs.		X
Inspect spray pattern for clogging. If clogged, remove spray tips and soak them in a recommended liquid neutralizer for up to six hours. To remove spray tip, twist spray tip body counter-clockwise.		X
Lubricate wheels with water resistant oil.		X
Inspect machine for water leaks and loose hardware.		X

### 3.1 - Filter Maintenance

The Mytee Lite™ has a small filter on the top of the vacuum stack in the recovery tank. This filter should be checked and cleaned after each use. ♦

### 3.2 - System Maintainer

Regular flushing of the solution system with FMJ-GROUP

System Maintainer keeps your extractor running efficiently by removing hard water scaling that builds up in the system

How to use System Maintainer:

1. Thoroughly mix System Maintainer with warm water at a 1:1 ratio in a separate container. Pour into your Extractor's solution tank.
2. Connect a cleaning tool (upholstery tool, wand, etc.) and remove the jet(s) in order to prevent clogging from dislodged mineral build-up.

3. Turn on the Extractor's pump and run the System Maintainer solution through the system and into a bucket or receptacle until you have a solid stream.

4. Let sit for about 5 minutes while the System Maintainer solution does its job inside your Extractor.

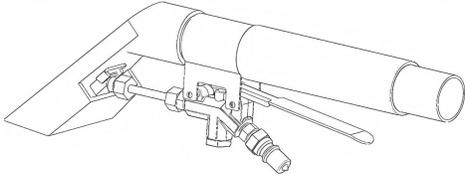
5. Finish running the rest of the solution through the system.

6. Run clean water through the system to flush out any remaining System Maintainer. ♦

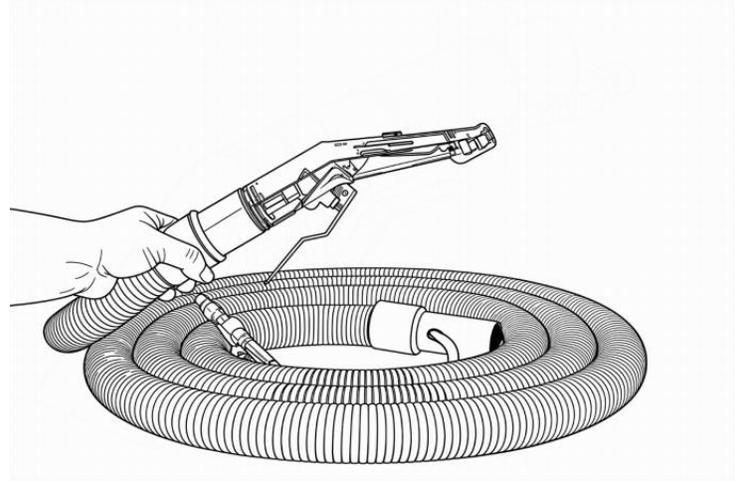


Do not tamper with the set screw on the pump pressure switch. This can damage the pressure switch.

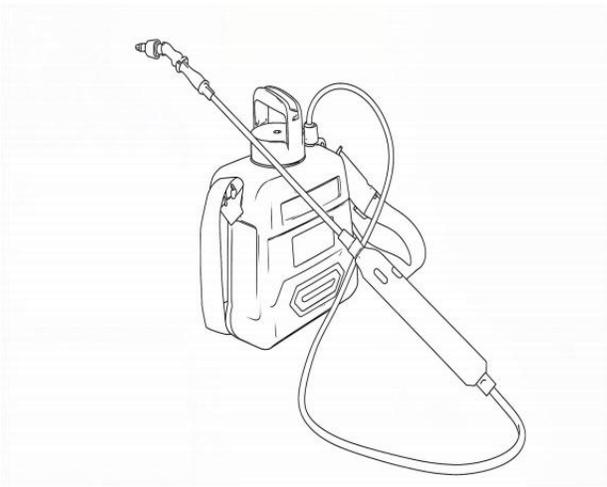
## 4 - Available Accessories



**Upholstery Cleaning Tool**



**Upholstery Wand Tool**



**8L Electric Sprayer**



**10" Jet Carpet Cleaning Wand**

## 5 - Troubleshooting

Issue	Possible Cause	Solution
Machine is not turning on.	Power cord unplugged.	Plug the power cord into a grounded 20 amp outlet.
	Circuit breaker tripped in building Or machine.	Reset breaker in building.
	Faulty switch or power cord.	Contact a FMJ-Group Service Center.
Poor solution flow.	Jet is clogged.	Unclog the jet by removing and soaking in a vinegar and water solution. Scrub with a soft brush. Repeat if necessary.
	Blockage or clog in solution line.	Run System Maintainer through machine.
Pump continuously runs/ pulses without producing correct pressure/ flow.	Leak in solution line between pump and cleaning tool.	Find leak and repair or replace hose if necessary.
	Pump switch failure. This can be caused by various issues: <ul style="list-style-type: none"> <li>• Nozzle tip clogged or too small, causing rapid switch cycling.</li> <li>• Check valve failure between pump and heater causing hot water to return to pump and damage switch.</li> <li>• Pump inlet port is cracked causing pump to suck in air.</li> <li>• Damaged pump switch housing.</li> </ul>	Contact a FMJ-GROUP Service Center
Water is not pumping out of machine.	Vapor lock from turning on heater before pump.	Turn off the heater and allow the machine to cool completely. After machine has cooled, follow the machine startup procedure in section 2.4 of this manual.
Vacuum/pump not turn-ing on.	Bad power switch.	Check power switch by transferring wires from the switch in question to another switch. See if that switch turns on the component in question. Replace switch if necessary.
Vacuum not producing suction.	Vacuum tank is full.	Empty vacuum tank.
	Vacuum hose blockage.	Check for blockages in vacuum hoses inside and outside machine.
Blows water out exhaust.	Foam building up inside vacuum tank.	Use a defoaming solution in vacuum tank or use low foam or non foaming detergent/shampoo.
Water is not getting hot.	Touch screen heating button is off	Turn on the heating switch on the touch
	Circuit breaker tripped behind the machine	Turn on the circuit breaker

# NOTES