

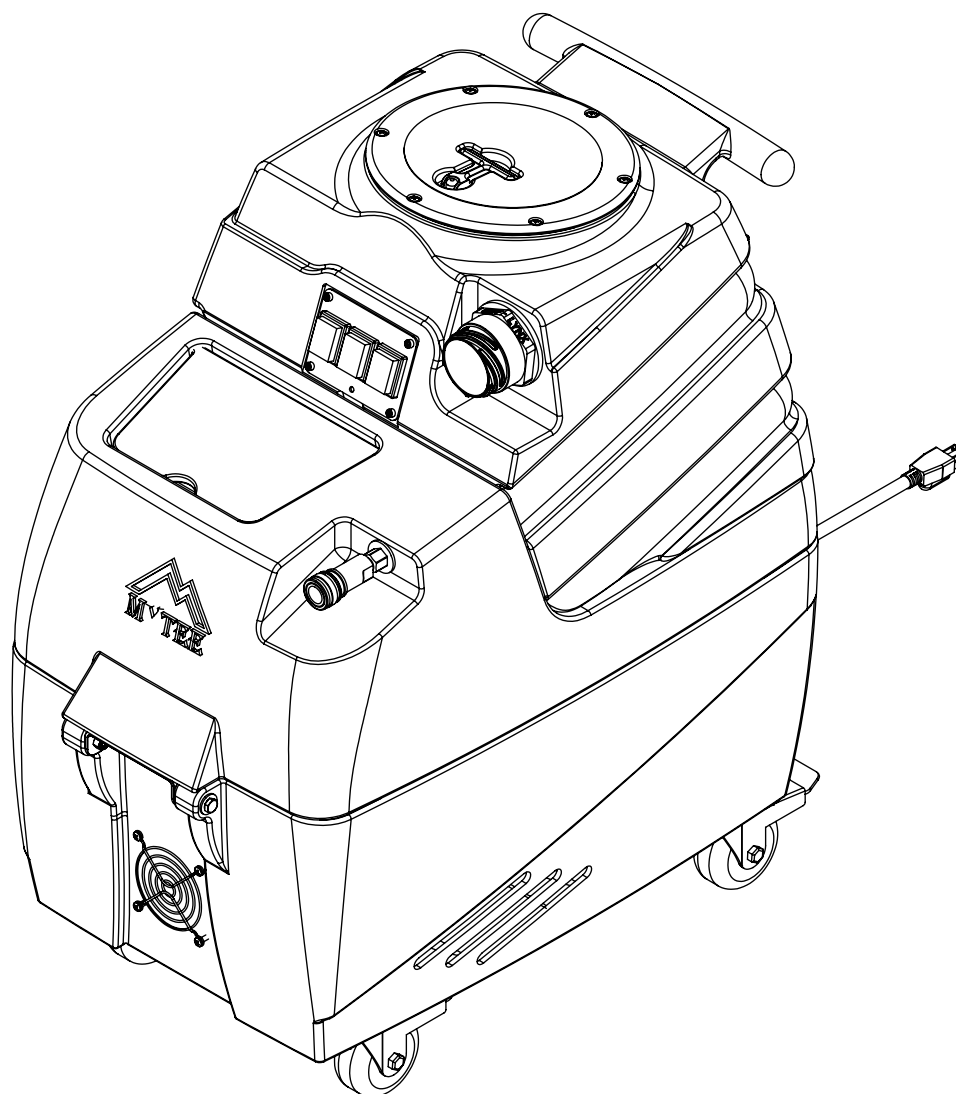


User Manual

SpyderTM

Model:
HP60

REV. 1/20/21



13655 Stowe Dr. Poway, CA 92064

P: (858) 679-1191

F: (858) 726-6005

www.mytee.com

Introduction

Dear Customer:

Congratulations on the purchase of your new Spyder™ Automotive Detailing Extractor. As technology continues to develop you can work confidently knowing that both Mytee and its employees are equally dedicated to developing with the industry and its advances.

Like any other piece of machinery or technology, the Spyder™ also requires 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 Mytee 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 Mytee Service Center. To see an updated list please visit our website at <https://www.mytee.com/support/find-distributors/>.

Before using your Mytee product, please read this manual thoroughly.

*Sincerely,
Mytee Customer Care Dept.*

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Important Safety Information

Please read and understand this manual completely before operating this machine.

Grounding Instructions

This machine must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electrical shock. This machine is equipped with a cord 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.



DANGER

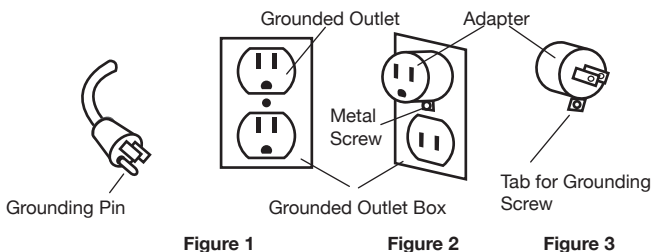
Improper installation of the equipment-grounding conductor can result in a risk of electric shock. Be sure to check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. If the plug will not fit in the outlet do not modify the plug or the machine's 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.

Parts and Service

Please contact Mytee service personnel or a Mytee authorized Service Center using Mytee original replacement parts and accessories if repairs need to be performed. When and if calling Mytee for support, please have your Model and Serial Number available for faster assistance.

Name Plate

The Model and Serial Number are located on the lower half of the back of the machine near the power plug and will be required for ordering replacement parts. You can use the space provided in 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

Mytee 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 following: 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.

Important Safety Information

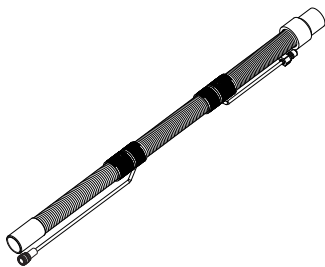
- 3.** Always unplug power cord from electrical outlet before attempting any adjustments or repairs.
- 4.** Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- 5.** Do not pull or carry by cord. Do not close a door on cord or pull cord around sharp edges or corners.
- 6.** Do 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 the appliance 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.** Keep hair, loose clothing, fingers, and all parts of the body away from all openings and moving parts.
- 15.** Use extra care when using on stairs.
- 16.** To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.
- 17.** The voltage and frequency indicated on the name plate must correspond to the wall receptacle supply voltage.
- 18.** 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, alkalines, or other dangerous liquids.
- 19.** Do not leave operating unattended.

1 - At a Glance

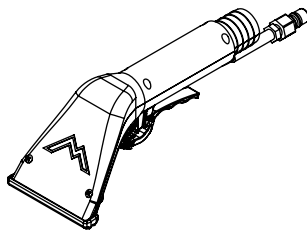
1.1 - Technical Specifications

Solution Tank	5 gallon capacity (approx.)
Recovery Tank	5 gallon capacity
Vacuum Motor	Single 3-stage low amp 100 CFM, 130" water lift
Pump	120 PSI diaphragm pump 1.3 GPM
Heater	1,200W REAL HEAT™ system 210° max.
Casters	3" locking
Power Cord	Single 25' 12/3
Amp Draw	20 amps @ 115V 60Hz 10 amps @ 230V 50Hz
Product Weight	82 lbs.
Shipping Weight	90 lbs.
Product Dimensions	25" x 15.5" x 29.5"
Shipping Dimensions	28" x 16" x 34"

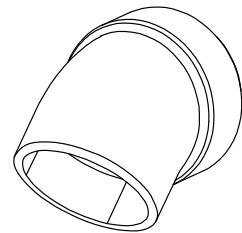
1.2 - Included with the Spyder™



15' Vac and Solution Hose Combo
part # 8501V

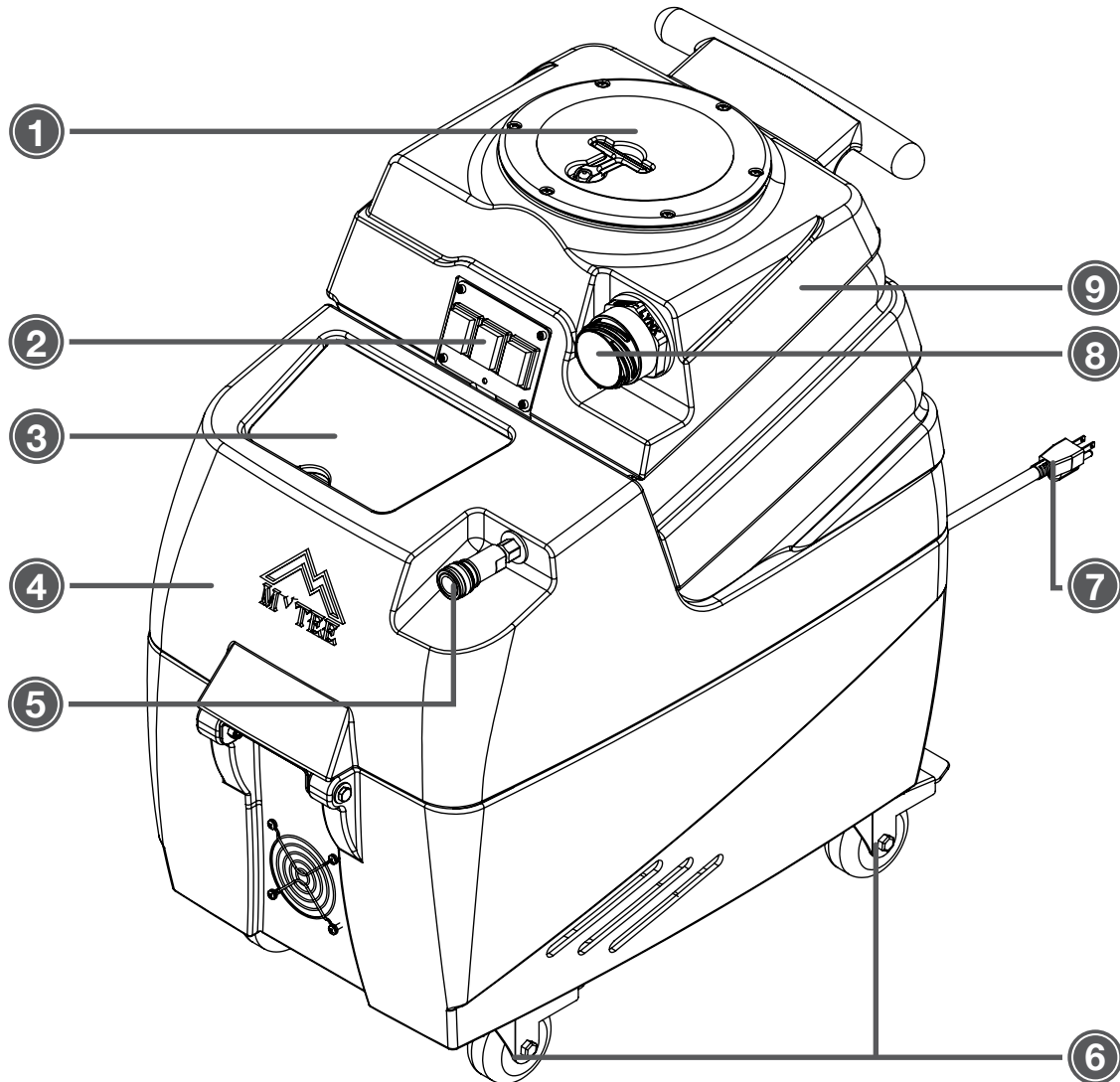


Air Lite™ Upholstery Tool
part # 8400P



45° Drain Spout
part # H226

1.3 - Spyder™ Front View

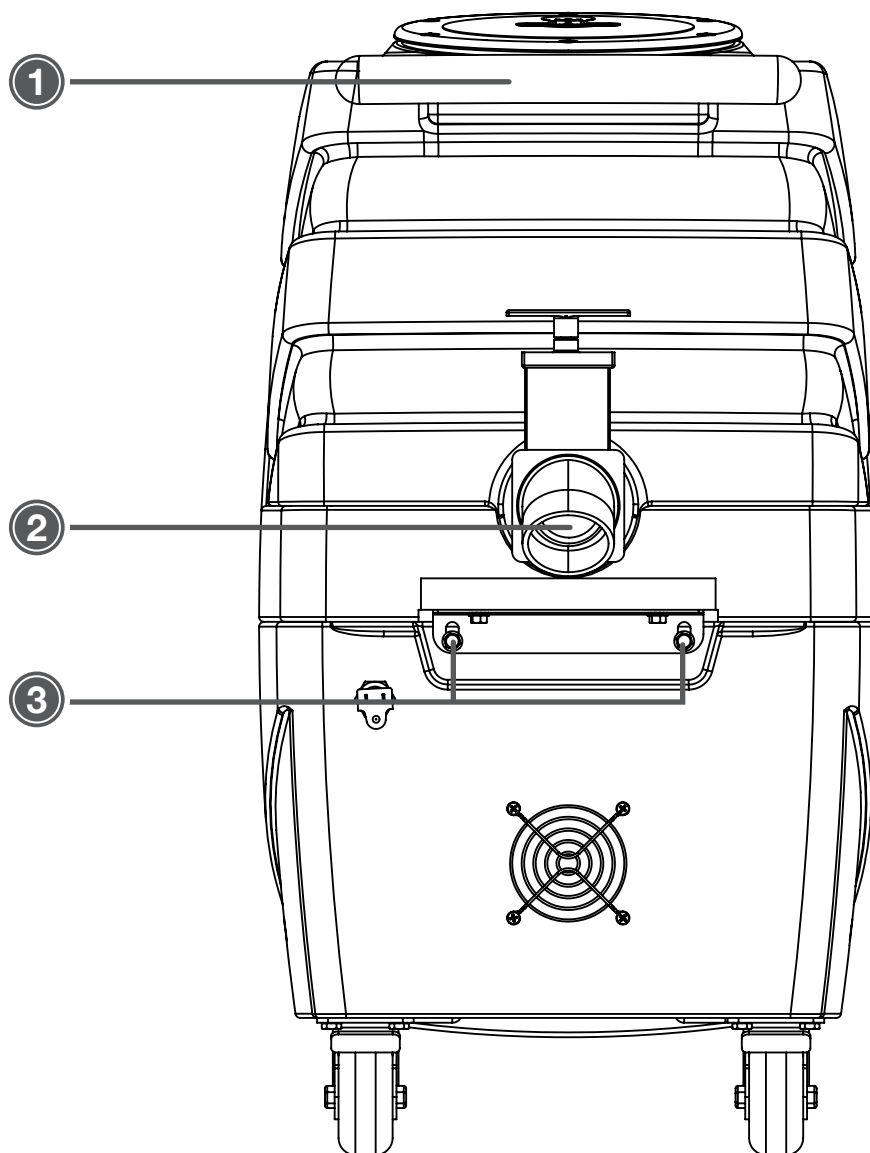


1. Clear recovery tank lid
2. Switch plate
3. Solution tank lid
4. Solution tank
5. Solution line connection

6. Locking casters
7. Power cord
8. Cuff-Lynx™ vacuum hose connection
9. Recovery tank

1 - At a Glance

1.4 - Spyder™ Rear View



1. Handle

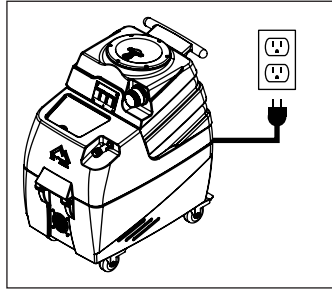
2. Drain valve with 45° drain spout

3. Rear body bracket screws

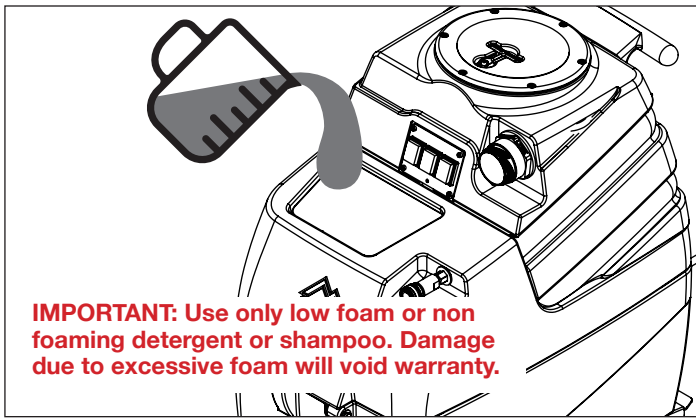
2 - Machine Operation

2.1 - Powering the Spyder™

Plug the power cord from the Spyder™ into a standard grounded wall outlet. The Spyder™ operates off a single, grounded 20 amp outlet. ♦

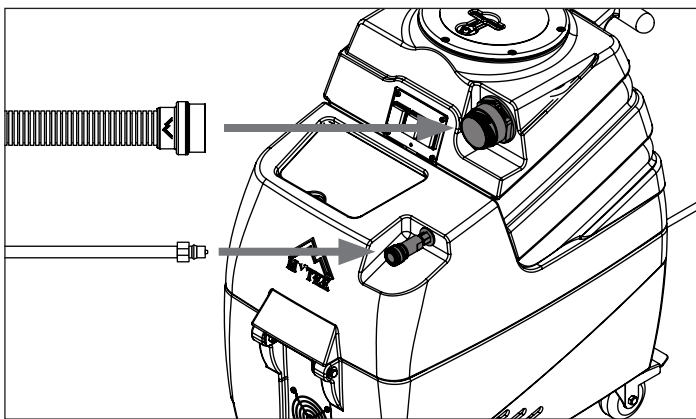


2.2 - Filling the Solution Tank



Lift the tank lid and, using a bucket, fill the solution tank via the large opening. For best results, use warm water. ♦

2.3 - Connecting the Hoses

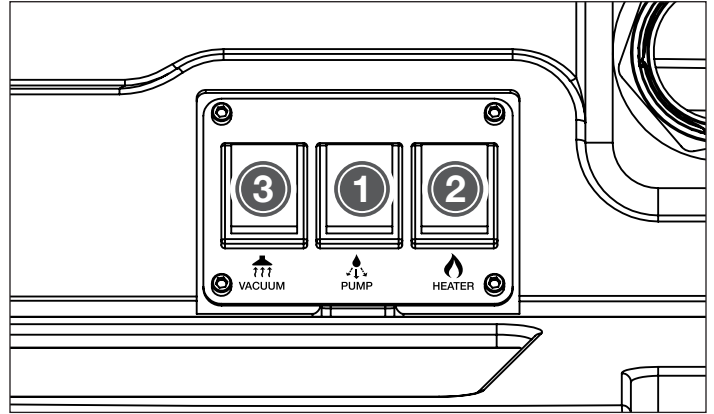


Connect the vacuum hose via the Cuff-Lynx™ connection on the front of the machine. Just twist on the female Cuff-Lynx™ from the hose with a clockwise motion.

Connect the solution line via the brass quick connect

fitting on the front of the machine. ♦

2.4 - Operating the Spyder™

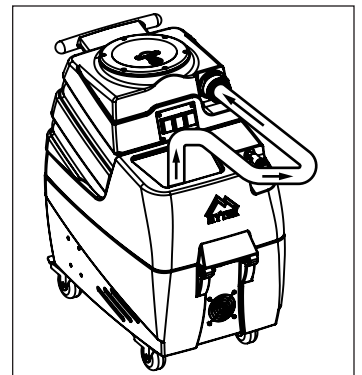


In order to avoid vapor locking the unit, the components should be switched on by following the procedure below after a cleaning tool is connected:

1. Turn pump switch on. 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 tool.
2. 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.
3. Once water is heated, turn on vacuum and begin cleaning. ♦

2.5 - Emptying the Tanks

Empty the recovery tank via the drain valve on the rear of the machine. Make sure there is a bucket in place under the valve or the machine is in a position so the dirty water is drained safely.



Any leftover solution in the solution tank can be sucked out of the tank using the vacuum hose and drained from the recovery tank. ♦

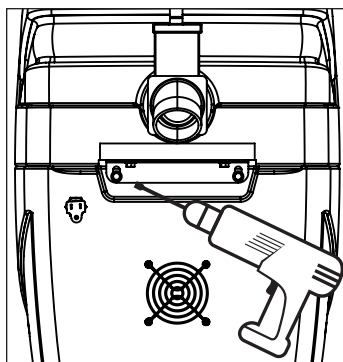
3 - Machine Maintenance

In order to keep the Spyder™ 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 casters with water resistant oil.		X
Inspect machine for water leaks and loose hardware.		X

3.1 - Opening the Unit for Maintenance

To open your Spyder™ for maintenance, use a drill with a 3/8" bit to remove the screws holding the Spyder's™ body together. Lift up on the push handle to open the machine like a clam shell. ♦



3.2 - Filter Maintenance

The Spyder™ has a small filter at the top of the vacuum stack in the recovery tank. This filter should be checked after each use. ♦

3.3 - System Maintainer

Weekly flushing of the solution system with Mytee® System Maintainer helps keep lines clean and prevents chemical build-up, improving pump life, performance and pressure.

How to use System Maintainer:

1. Mix 1-quart 3601 System Maintainer with 1-quart of warm water.
2. After thoroughly mixing, pour this solution into the solution tank.
3. Turn the pump on FIRST, and run solution through your cleaning tool. NOTE: The jet should be removed from the cleaning tool in order to prevent clogging due to loosening of deposits in line.
4. Next, turn on the heater (if equipped). If the heater is turned on first, it will result in a vapor lock, which will affect the machine's operation.
5. Next, with both the pump and heater on, begin running the solution through the machine. This allows the solution to break down any build up in the lines.
6. After running all of the solution through the machine, fill the tank with clean, warm water. Run the water through the machine to clear the solution completely out of the tank & lines. ♦

4 - Troubleshooting

4.1 - Vacuum Troubleshooting

Vacuum is not turning on.	
Possible Cause	Solution
Vacuum may not be getting power.	Check for faulty connections between the motor, switch, relay and power cord. Secure any loose connections.

Vacuum is not producing suction.	
Possible Causes	Solutions
Recovery tank is full.	Empty the recovery tank.
External vacuum hose blockage (if there is no exhaust).	Check for blockage in the hose, starting from the cleaning tool to the machine.
Clogged filter in vacuum tank.	Clean out filter regularly.
Drain valve/cap is loose and is causing air leakage.	Tighten the drain cap/make sure valve is completely shut.
Hose cuffs are loose and causing air leakage.	Tighten all hose cuffs regularly as may loosen over time. Use a glue to prevent cuffs from coming loose (optional).
Lid on vacuum tank is loose and is causing air leakage.	Make sure the lid is tight.

Vacuum blows water out the exhaust.	
Possible Causes	Solutions
Electronic shutoff is malfunctioning, causing the vacuum to continue running even when the recovery tank is full.	Replace the electronic float switch with a ball float.
Foam building up in the recovery tank.	Use a defoamer.
Boot behind vacuum port is turned the wrong way.	Make sure this plastic boot is turned toward the right wall of the machine and not toward the ball float.

There is a loud grinding noise coming from the vacuum.	
Possible Cause	Solution
Debris has been sucked into the vacuum motor chamber. Usually results from dry vacuuming.	Replace the vacuum motor. To avoid repeat problem, DO NOT dry vacuum with your extractor.

4.2 - Pump Troubleshooting

Pump doesn't turn on.	
Possible Causes	Solutions
Bad switch at control panel.	Unbolt the switch plate. We recommend taking a picture of the layout of the wires or tagging the wires for future reference. Switch the wires from the pump switch with the wires from either the vacuum or heater switch. Turn on the vacuum or heater switch (whichever one you exchanged wires with). If the pump turns on, the pump switch has failed and needs to be replaced.
Loose or disconnected wire.	Disconnect the power cord from the electrical outlet. Open up the machine and look for any loose or disconnected wires. Re-attach or replace wires.

Pump runs but there is no spray.	
Possible Causes	Solutions
Blockage or kink somewhere in the line.	Determine whether the blockage is inside the machine, in the solution hose, or in the cleaning tool.
Air is in the pump.	Prime the pump.
	Remove QD off the machine and solution hose. Make sure that the three-prong clip on the inside of the threaded end is evenly aligned below the thread of the QD.

4 - Troubleshooting

Pump runs but there is no spray.	
Possible Causes	Solutions
On a unit equipped with a heater, the check valve between the pump and heater may hang up, causing the flow of water to be impeded or stop entirely.	Remove the check valve temporarily and check to see if the pump will flow water out of the pump outlet hose when the pump is turned on for a brief instant in order to verify cause. The remedy is to install a new check valve. Observe the proper orientation (flow direction) of the check valve. NEVER OPERATE A UNIT WITHOUT A CHECK VALVE IN PLACE

Pump runs for a second then shuts down.	
Possible Causes	Solutions
QD is pressure locked.	Relieve pressure from behind the QD by pressing in the button inside the QD.
Check valve is clogged	Remove check valve and see if the ball inside the valve is moving freely. If not apply a couple drops of lubricant.
Solution lines and/or jets are clogged.	Check and clean the jets and the solution line.

Low PSI.	
Possible Causes	Solutions
The jet nozzle could be too large.	Replace the jet with one that has a smaller opening.

Pump doesn't stop running.	
Possible Causes	Solutions
Leak somewhere in the line.	Disconnect your tool's solution hose from the machine. If this causes the pump to stop running, then the problem is outside the machine, either in the solution hose or tool. If it continues running on, open the machine and check for leaks. If there are no leaks, run Mytee's System Maintainer™ through the machine to clear blockages.
Cracks or vacuum leaks on inlet side of pump.	Make sure hoses are secured tightly. If the inlet side of the pump is cracked or damaged, replace the pump.
Seals have been degraded by chemical.	Replace pump.
Debris blocking inlet filter or pump head.	Clean filter and/or pump head.

Pump trips circuit breaker when turned on.	
Possible Causes	Solutions
Short in power switch.	Test by swapping vacuum and pump switch. If problem resolves, but vacuum begins tripping breaker, replace switch.
Short in electrical harness.	Risk of electric shock. Do this at your own risk. Remove pump from circuit by attaching power leads together. If breaker still pops when switch is toggled, then there is a short to the ground in the circuit. Replace wires as needed.
Short in pump motor.	If switch and harness check is OK, the short may be in the pump motor. Replace pump.

4.3 - Heater Troubleshooting

Heater is not heating water.	
Possible Causes	Solutions
Loose electrical connection.	Check all electrical connections, including power cord and harness.
Automatic sensor has failed, causing manual sensor to trip.	Reset the manual sensor button by pressing the small white and yellow button in the center of the sensor. If this works, but heater continues to trip the manual sensor, replace the automatic sensor (Part #E573) on the heater.
Heater element has failed.	Check for continuity through the element by reading the amperage. If amps are low, only part of the element may be heating up – in this case, the element is damaged and needs to be replaced.
Bad power switch.	If the element, sensors, and wiring all check out okay, there may be a bad switch on the switchplate.

Running out of hot water too fast.	
Possible Causes	Solutions
Too much water flowing through the heater.	Remember, when using your machine, it is recommended you do one wet pass followed by two dry passes. This way you are not spraying as much and the hot water will last longer.
Jets being used are too large.	Make sure your cleaning tool has 0.02 jets.
Water in tank is very cold.	If possible, fill your solution tank with warm water in order to shorten the amount of time it takes for the water to heat up. The pumps are usually rated for 140°F water.

Heater has hard water buildup inside, leading to lost efficiency.	Run Mytee System Maintainer™ (Part # 3601) through the machine regularly in order to clear hard water or chemical residue that can block water flow and reduce heating ability. See product label for instructions.
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Unit has vapor locked and there is no water pumping out of the unit.	
Possible Cause	Solution
Turning on the heater before turning on the pump and priming the unit.	Turn off the heater and allow the unit to cool completely. When machine has cooled, turn on the pump first. Prime the unit by spraying solution out of the cleaning tool. Then, turn on the heater.

NOTES



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13655 Stowe Dr.
Poway, CA 92064
www.mytee.com
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