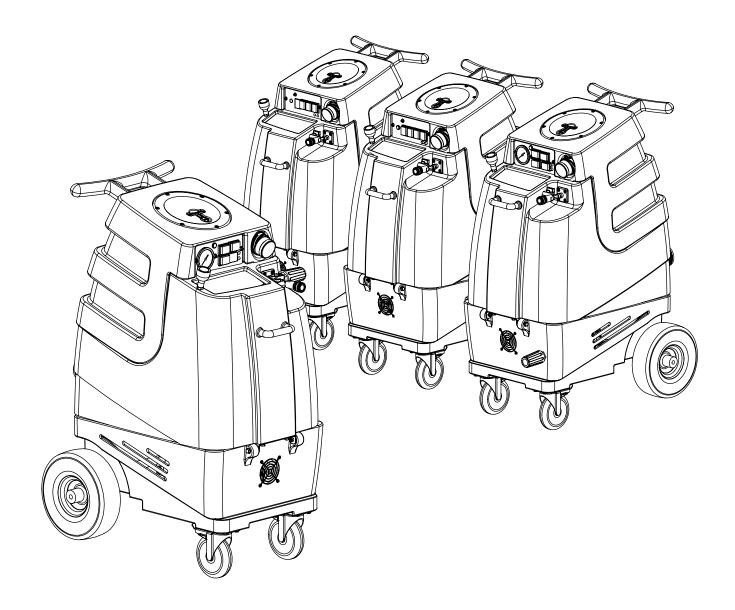


User Manual **Speedster**®

Model: 1000DX-200, 1001DX-200, 1003DX, 1005LX

REV. 1/17/22



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 Speedster[®] Carpet 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 Speedster® 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 http://www.mytee.com/support/service-centers. Before using your Mytee product, please read this manual thoroughly.

Sincerely, Mytee Customer Care Dept.

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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.



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.

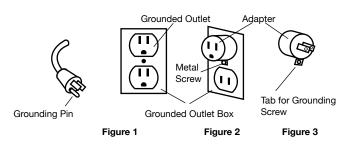
This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (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.



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



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



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.

Important Safety Information

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 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. 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, alkalines, or other dangerous liquids.

20. Do not leave operating unattended.

1 - At A Glance

1.1 - Technical Specifications

1000DX-200		1001DX-200	
Recovery Tank	9 gallon capacity	Recovery Tank	9 gallon capacity
Solution Tank	10 gallon capacity	Solution Tank	10 gallon capacity
Vacuum Motors	Dual 3-stage, 200 CFM, 130" water lift	Vacuum Motors	Dual 3-stage, 200 CFM, 130" water lift
Solution Pump	220 PSI, 1.35 GPM	Solution Pump	220 PSI, 1.35 GPM
Wheels	10" foam-filled	Heater	2,000 watt - 210º max.
Casters	4" locking	Wheels	10" foam-filled
Power Cord	Single 50' 12/3	Casters	4" locking
Amp Draw	20 amps @ 115V 60Hz	Power Cord	Dual 50' 12/3
Machine Weight	87 lbs.	Amp Draw	Cord 1: 20 amps @ 115V 60Hz Cord 2: 18 amps @ 115V 60Hz
Machine Dimensions	28" x 18.5" x 39"	Machine Weight	120 lbs.
		Machine Dimensions	28" x 18.5" x 39"

1003DX

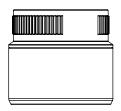
Recovery Tank	9 gallon capacity	
Solution Tank	10 gallon capacity	
Vacuum Motors	Dual 3-stage, 200 CFM, 130" water lift	
Solution Pump	500 PSI max., 1.5 GPM	
Heater	1,600 watt. 210º max.	
Wheels	10" foam-filled	
Casters	4" locking	
Power Cord	Dual 50' 12/3	
Amp Draw	Cord 1: 20 amps @ 115V 60Hz Cord 2: 20 amps @ 115V 60Hz	
Machine Weight	127 lbs.	
Machine Dimensions	28" x 18.5" x 39"	

1005LX		
Recovery Tank	9 gallon capacity	
Solution Tank	10 gallon capacity	
Vacuum Motors	Dual Mytee® Hybrid Ametek motors, 225-250 CFM, 182″ water lift	
Solution Pump	500 PSI max., 1.5 GPM	
Wheels	10" foam-filled	
Casters	4" locking	
Power Cord	Dual 50' 12/3	
Amp Draw	Cord 1: 20 amps @ 115V 60Hz Cord 2: 16 amps @ 115V 60Hz	
Machine Weight	115 lbs.	
Machine Dimensions	28" x 18.5" x 39"	

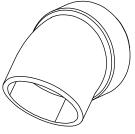
1.2 - Included with the Speedsters®



H141V Cuff-Lynx™ (2″ Female Cuff-Lynx™ x 1.5″ Female Hose)



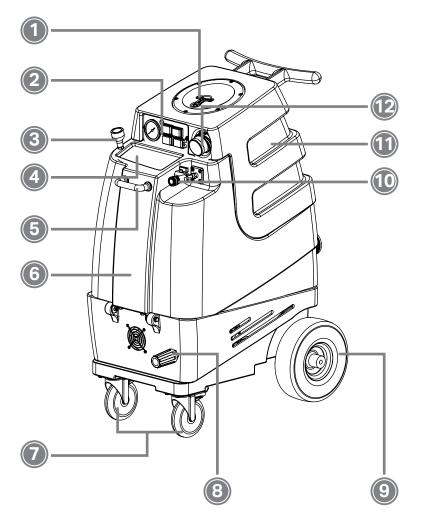
H110V Cuff-Lynx™ (2" Female Cuff-Lynx™ x 2" Female Hose)

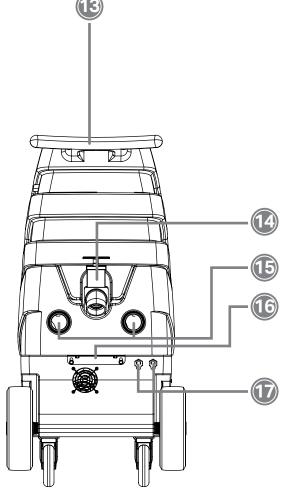


H226 Drain Spout

1 - At A Glance

1.4 - Speedster® Features



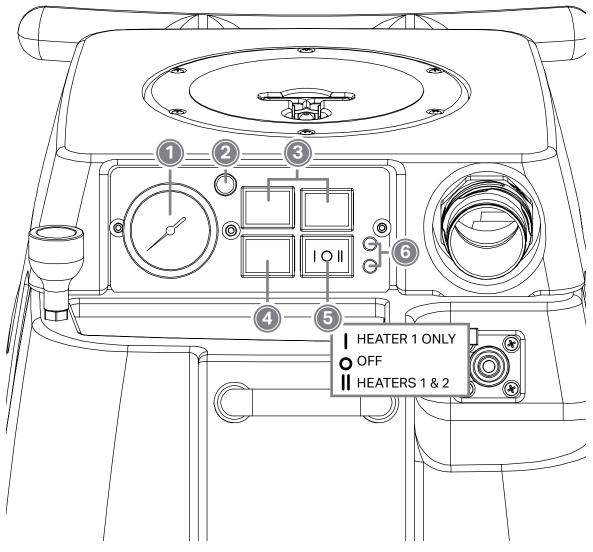


1003DX shown as example

- 1. Clear recovery tank lid
- 2. Switch plate
- 3. Faucet fill hose
- 4. Solution tank lid
- 5. Front lift handle
- 6. 10 gallon solution tank
- 7. 4" locking casters
- **8.** Regulator (1003DX, 1005DX, & 1005LX only. Regulator placement varies.)

- 9. 10" foam-filled wheels
- 10. Solution hose quick connect with prime valve
- 11. 9 gallon recovery tank
- 12. 2" Cuff-Lynx™ vacuum hose connection
- 13. Push handle
- 14. Recovery tank drain
- 15. Exhaust ports
- 16. Rear bracket for opening machine
- 17. Power cord pigtail(s)

1.5 - Switch Plate



1003DX shown as example

- **1. Pressure gauge** (not installed on 1000DX-200 & 1001DX-200).
- **2. Dual circuit indicator light** (not installed on 1000DX-200).
- 3. Vacuum switches.

- 4. Pump switch.
- **5. Heater three-position switch** (not installed on 1000DX-200, 1005DX, & 1005LX).
- **6. Heater indicator lights.** Each light illuminates when the corresponding heater is on.

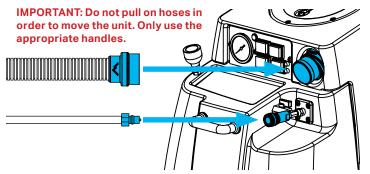
2.1 - Powering the Speedster®

Each power cord on the Speedster® requires a grounded 20 amp outlet. For dual cord machines, plug each cord into its own 20 amp circuit. The dual circuit indicator light and tone will activate when this is achieved. ◆



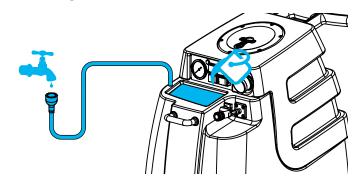
Machine	Components on each cord. Primary Cord always marked with yellow tag.		
1000DX-200	Primary Cord:	Vacuums 1 & 2 Pump	
1001DX-200	Primary Cord:	Vacuum 1 1,000 Watt Heater Pump	
	Secondary Cord:	Vacuum 2 1,000 Watt Heater	
1003DX	Primary Cord:	Vacuum 1 600 Watt Heater Pump	
	Secondary Cord:	Vacuum 2 1,000 Watt Heater	
1005LX	Primary Cord:	Vacuum 1 Pump	
	Secondary Cord:	Vacuum 2	

2.2 - Connecting Vacuum & Solution Hoses



Use the included Cuff-Lynx[™] hose connectors to connect 1.5" or 2" vacuum hose to the Speedster[®]. Connect the solution hose via the quick connect fitting on the front of the Speedster[®]. ◆

2.3 - Filling the Solution Tank



The Speedster[®] solution tank can be filled up via the faucet fill hose or from a bucket via the opening under the solution tank lid.

IMPORTANT: Do not use acid (acid rinse) or high alkaline chemicals like sodium hydroxide in the 1003DX or 1005LX machines. This will cause damage to the pump and void the warranty.

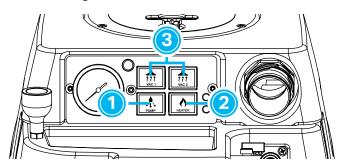
IMPORTANT: Use only low foam or non foaming detergent or shampoo. Damage due to excessive foam will void warranty. •

2.4 - Switching on the Speedster[®] Units Without Heater (1000DX-200, 1005LX)

After a cleaning tool is connected and the solution tank is filled, switch on the vacuums and the pump in any order.

Units With Heater (1001DX-200, 1003DX)

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:



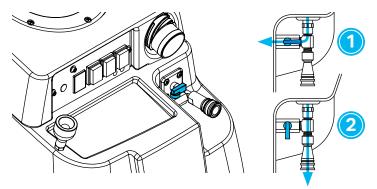
1. Turn pump switch on. Pull the lever on the cleaning tool to release air in the line. Hold lever until a steady flow of water comes out of the wand.

2 - Machine Operation

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.

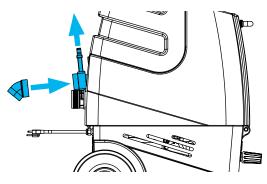
3. Once water is heated, turn on vacuum and begin cleaning. ◆

2.5 - The Prime Valve

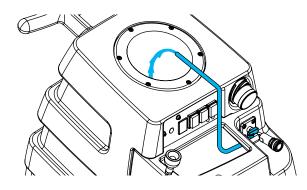


The Speedster® units come with a prime valve attached to the solution hose quick connect fitting. Turning the valve lever to position 1 directs flow towards the wash hose inside the solution tank. Turning the lever to position 2 directs flow towards the cleaning tool. ◆

2.6 - Emptying the Recovery Tank

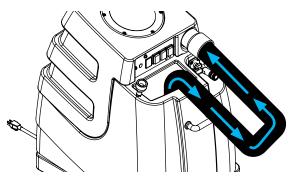


Empty the recovery tank by attaching the H226 45° drain elbow to the drain spout in back. Lift up the dump valve and empty the tank into a bucket or drain.



Rinse out the recovery tank using the wash hose inside the solution tank. Take the lid off the recovery tank and place the end of the wash hose inside. With solution or clean water in the solution tank, switch on the pump and turn the prime valve to position 1 (shown in section 2.5 on previous page). Rinse off the inside of the recovery tank and then drain the tank. •

2.7 - Emptying the Solution Tank



Connect a vacuum hose to the Cuff-Lynx[™] connection. Switch on the vacuum(s) and insert the vacuum hose into the solution tank to suck out all the unused solution. When finished, lift the recovery tank dump valve to drain.

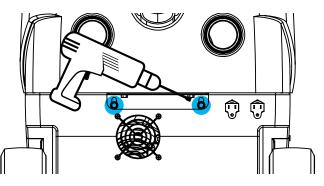
3 - Machine Maintenance

In order to keep the Speedster[®] 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.	Х	
Clean and inspect hoses.	Х	
Check and clean internal filters.	Х	
Check power supply cable.	Х	
Clean machine with all-purpose cleaner and cloth.	х	
Check spray nozzles.	Х	
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 - Opening the Unit for Maintenance

To open your Speedster[®] for maintenance, use a drill with a 3/8" bit to remove the bolts holding the Speedster's[®]



body together. Lift up on the push handle to open the machine. \blacklozenge

3.2 - Filter Maintenance

The Speedster[®] has a small mesh screen intake filter in the solution tank. This filter should be checked and cleaned after each use. •

3.3 - Ball Float Maintenance

The ball floats in the recovery tank prevent recovered dirty water from rising too high and damaging the vacuum motors. Clean the mesh screen on the floats regularly.

3.4 - 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.

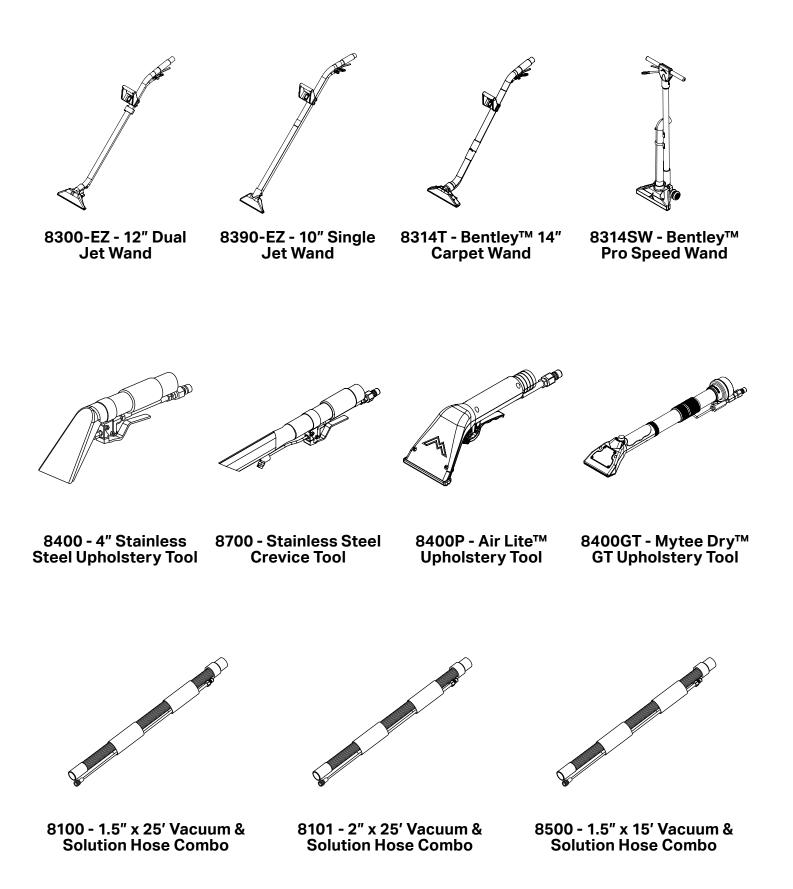
3. Turn the pump on FIRST, and run solution through your cleaning tool. NOTE: The jet should be removed from the cleaning tool in order to prevent clogging due to loosening of deposits in line.

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 - Available Accessories



5.1 - Vacuum Troubleshooting

5.1 - Vacuum Troublesh			ater out the exhaust.	
Vacuum is not turning on.		Possible Causes	Solutions	
Possible Cause	Solution	Foam building up in the	Use a defoaming solution	
Vacuum may not be getting power.	Check the electrical con- nections and the switch. Look for loose or damaged	recovery tank. in the recovery tank. There is a loud grinding noise coming from the vacuum.		
	wires. To check the switch:	Possible Cause	Solution	
	To check the switch: Unbolt the switch plate. Take a picture of the layout of the wires or tagging the wires for future reference. Switch the wires from the	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.	
	vacuum switch with the wires from either the pump or heater switch. Turn on the pump or heater		e detailed information.	
	switch (whichever one you	5.2 - Pump Troublesho		
	exchanged wires with). If	Possible Causes	esn't turn on. Solutions	
	the vacuum turns on, then you know the vacuum switch is bad.	Bad switch at control panel.	Unbolt the switch plate. We recommend taking	
Vacuum is not p	roducing suction.		a picture of the layout of	
Possible Causes	Solutions		the wires or tagging the wires for future reference.	
Recovery tank is full.	Empty the recovery tank.		Switch the wires from the	
If the vacuum exhausts but there is no suction, then the hose from the recovery tank to the vacuum motor is disconnected.	Open the machine and find the hose running from the recovery tank to the vacuum motor. Check if it is disconnected. If so, reconnect it. If it has a leak, replace the hose (Part # PH627 if 1.5", PH628 if 2").	n pump switch w n from either the or heater switch or heater switch on the vacuum switch (whiche switch (whiche exchanged wir l Loose or disconnected Disconnect the wire. cal outlet. Ope machine and lo loose or disco	pump switch with the wire 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 is bad.	
Vacuum hose blockage (if there is no suction or exhaust).	Check for blockage in the hose, starting from the cleaning tool to the machine.		Disconnect the power cord from the electri- cal outlet. Open up the machine and look for any loose or disconnected	
Clogged filter in vacuum tank.	Clean out filter regularly.		wires. Re-attach or replac	
Drain valve/cap is loose and is causing air leakage.	Tighten the drain valve/ cap.			
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 tank is loose and is causing air leakage.	Make sure the lid is tight.			

5 - Troubleshooting

Pump runs but	there is no spray.	Low PSI.		
Possible Causes	Solutions	Possible Causes	Solutions	
Blockage or kink somewhere in the line.	See chart on page 4 of the Diaphragm Pump	The jet nozzle could be too large.	Replace the jet with one that has a smaller opening.	
	Troubleshooting Guide to	Pump doesn't	stop running.	
	diagnose the location of the blockage.	Possible Causes	Solutions	
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.	Leak somewhere in the line.	Disconnect the 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,	
Pump runs but	there is no spray		open the machine and check for leaks. Repair	
Possible Causes On a new unit, the check valve between the pump and heater may hang up,	n a new unit, the checkRemove the check valvelve between the pumptemporarily and check tond heater may hang up,see if the pump will flowbe impeded or stopoutlet hose when the		the leak. If there are no leaks, run Mytee's System Maintainer [™] (Part # 3601) through the machine to clear blockages.	
causing the flow of water to be impeded or stop entirely.		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.	Install seal repair kit.	
		Debris blocking inlet filter or pump head.	Clean filter and/or pump head.	
	returned to service by	Pump trips circuit breaker when turned on.		
	un-sticking the check valve poppet with ma- nipulation of the poppet ball with a thin tool, like a straightened paperclip. Replace the check valve in unit assembly. NEVER OPERATE A UNIT WITHOUT A CHECK VALVE IN PLACE.	Possible Causes	Solutions	
		Short in power switch.	Test by swapping vacuum and pump switch. If problem resolves, but vacuum begins tripping breaker, replace switch (Part #E515).	
		Short in electrical harness.	Risk of electric shock. Do this at your own risk.	
Pump runs for a sec	ond then shuts down.		Remove pump from circuit by attaching power leads	
Possible Causes	Solutions		together. If breaker still	
QD is pressure locked.	Relieve pressure from behind the QD by pressing in the button inside the QD.		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.	Jets being used are too large.	If your machine has a 1,000W or 1,200W heating system, make sure your cleaning tool has 0.02 jets.
		Water in tank is very cold.	If possible, fill your

<u>Click here</u> for more detailed information.

5.3 - Heater Troubleshooting

Heater is not heating water.		
Possible Causes	Solutions	
Loose electrical connection.	Check all electrical con- nections, 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 switch-plate.	

Running out of hot water too fast.		
Possible Causes	Solutions	
Too much water flowing through the heater.	Remember, when using your machine, it is rec- ommended 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.	If your machine has a 1,000W or 1,200W heating system, 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.
	there is no water pumping he 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.

<u>Click here</u> for more detailed information.

NOTES



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