



Kleen-Safe User's Guide



KS-500

Dear Customer:

Congratulations on the purchase of your new janitorial and carpet cleaning equipment. As you are already aware, the scene of the janitorial world is becoming more high tech, and we at Mytee Products, Inc. strive to keep you on the cutting edge with superior quality and technology.

Keep in mind that your KS-500 is a machine and neglect and/or abuse will cause unnecessary damage and void warranty. With simple maintenance however, your machine will give you quality performance for many years to come.

The labels on your unit are scratch resistant. They are made with a clear film. To achieve a high gloss finish, simply peel off the thin, clear layer.

If warranty questions arise, please consult your user's guide or get in touch with your distributor. If you have questions about maintenance, replacing parts or ordering parts, please call an authorized Mytee Products, Inc. service center. To see an updated list, visit our website at www.Mytee.com.

Before you begin cleaning, please read you user's guide thoroughly.

Sincerely,
Customer Care Dept.

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General Safety/ Warnings

These precautions have been written for your safety and the safety of others in mind. These precautions **MUST BE FOLLOWED** at all times to avoid serious injury, harm, and/or death, and damage to the unit.

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

1. READ ALL INSTRUCTIONS BEFORE USING EXTRACTORS.
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 machine from the power supply before servicing. 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 body away from all openings and moving parts.
15. Use extra care when cleaning on stairs
16. To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.

MYTEE LIMITED WARRANTY POLICY

Mytee Products, Inc. endeavors to provide high quality products and product support to its customers and therefore backs up all of its new products purchased from Mytee Products Inc. ("Mytee") or any authorized Mytee distributor/service center with this limited warranty. This limited warranty begins on the date of the customer's purchase and is valid and available to the original purchaser only. Mytee's products are for commercial use only and are not intended for personal, family or household uses.

HOWEVER, OTHER THAN SET FORTH HEREIN, MYTEE GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, INFRINGEMENT, OR OTHER MATTER, OF ANY GOODS WHICH MYTEE SHALL SUPPLY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. MYTEE SHALL IN NO WAY BE RESPONSIBLE FOR THE PROPER USE AND APPLICATION OF THE GOODS. MYTEE NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR MYTEE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF MYTEE'S GOODS. THIS LIMITED WARRANTY POLICY MAY BE CHANGED OR WITHDRAWN BY MYTEE AT ANY TIME WITHOUT NOTICE.

WEAR PARTS 90-DAY LIMITED WARRANTY: Mytee will replace all wear parts for 90 days from the date of original purchase. "Wear parts" are items which wear out as a result of usage or the passage of time and are consumed despite attempts to maintain them, such as gaskets, wheels, brass, cords, wires, electrical terminals, hoses, switches, thermostats, plastisol parts, filters, bearings, brushes, solenoids, o-rings, bulbs, heating elements, castors, or other parts deemed wear items in Mytee's sole discretion. This warranty covers the cost of replacement only and does not cover shipping or labor costs.

PUMP, VACUUM MOTOR AND HEATER 1-YEAR LIMITED WARRANTY: Mytee warrants that pumps, vacuum motors, and heaters will be free from manufacturing defects, defects in workmanship, and defects in material for one (1) year from the date of original purchase. This warranty does not apply and is void if the pump, vacuum motor, or heater has worn brush motors, water damage, chemical build-up, chemical damage, or evidence of abuse, neglect or tampering. This warranty covers the cost of replacement or repair only and does not cover shipping or labor costs.

HOUSING 3-YEAR LIMITED WARRANTY: For three (3) years from the date of purchase, Mytee warrants a percentage of the cost of replacement of rotationally-molded housings pro-rated as follows: Mytee will pay 100% of replacement cost in the first year from the date of purchase, 75% of replacement cost in the second year from the date of purchase and 25% in the third year from the date of purchase. Replacement cost does not include the cost of shipping or labor.

LIMITATION OF DAMAGES: THE REMEDY OF REPLACEMENT OR REPAIR OF ANY DEFECTIVE GOODS SHALL BE THE EXCLUSIVE REMEDY UNDER ANY WARRANTY MADE BY MYTEE, WHETHER EXPRESS OR IMPLIED. IN NO EVENT SHALL MYTEE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, PROPERTY DAMAGES, OR PERSONAL INJURIES.

All limited warranties are void for, and Mytee does not warrant in any way, any product that evidences misapplication, improper installation, abuse, lack of maintenance, negligence in use or care, abnormal use, alteration of design, use of incompatible or corrosive chemicals, use in a rental service, and/or servicing, installation of parts, or repairs by anyone other than Mytee or a Mytee

authorized distributor or service center. Mytee may make changes in products it manufactures and markets at any time; these changes are made without obligation to change, retrofit, or upgrade any product previously sold or manufactured.

Mytee has no obligation to honor the limited warranties set forth herein unless the original purchaser, promptly upon discovering the warranty claim and prior to continuing to use the product, contacts Mytee or a Mytee authorized distributor or service center to describe the claim and to receive and follow instructions for documenting and resolving the claim. In addition, the purchaser must provide the product to which the claim applies to Mytee or a Mytee authorized distributor or service center for a thorough inspection.

If any provision or portion of this limited warranty policy is found to be unenforceable, then the remaining provisions and portions shall remain valid and enforceable. If any provision or portion of this limited warranty policy is found to be limited by law, then that provision or portion shall be construed to make it effective within the bounds of law. For example, if there are legal limitations on the duration of warranties, the warranties made herein shall be construed to have the minimum duration required by law, or, if there are legal limitations of exclusion of remedies, the exclusions made herein shall be construed to apply to the fullest extent possible without violating the law.

The validity, construction and performance of this warranty policy shall be governed by the laws of the State of California, without respect to conflicts of laws principles. The exclusive jurisdiction of any legal action arising from or related to this warranty policy shall be in the State of California and no legal action shall be commenced elsewhere.

RETURNED MATERIAL AUTHORIZATION PROCEDURE

It is the responsibility of any Authorized Service Center (ASC) or Distributor with written authorization to ensure the Customers equipment is repaired as soon as possible. Only Mytee Products, Inc. or it's authorized dealers with written authorization, service centers, and agents may make warranty repairs on these products. All others do so at their own risk and expense.

The Distributor must follow Mytee Products, Inc. standard RMA procedure:

1. When a repair falls within the Warranty time period for a piece of equipment, the Distributor will fill out a RMA/Warranty claim form. This form will act as a repair order to replace any defective parts.
2. All defective parts must be returned to Mytee Products, Inc. with the RMA/claim form for evaluation at the customer's expense. **This shipping is non-refundable.** All warranty claims are subject to an evaluation by Mytee Products, Inc. to determine if warranty will be approved. Any credit for repair and/or parts will only be issued upon evaluation and approval from Mytee Products, Inc.
3. When Warranty is approved, the Distributor's account will be credited for the replacement part(s). Mytee Products, Inc. will ship the warranted replacement part(s) to the Distributor prepaid. If Warranty is denied the Distributor's account will not be credited for any parts sent for this claim.

Description and Advantages

The KS-500 KLEEN-SAFE Cleaning System is a 12-gallon unit that is equipped with a 450psi pump and a single High Performance, 3 stage vacuum motor. This machine has a single 50-foot power cord. The amperage draw is 13-amps. To run this unit effectively will require a 20-amp outlet.

The KS-500 KLEEN-SAFE delivers these additional MYTEE advantages:

PERFORMANCE

The KLEEN-SAFE lives up to its name. It's "Hands-Off" hygienic design cleans more efficiently and effectively than any manual method!

VERSATILITY

Use the KLEEN-SAFE in restrooms to clean toilets, sinks, tubs, windows, shower stalls, as well as non-porous surfaces in pool areas, locker rooms, kitchens, and stairwells.

EASY TO USE

Simply load the KLEEN-SAFE with the provided multi-surface cleaner and rinsing agent. Then, use the solution hose and high-pressure gun to get the job started. This system features chemical metering with a wash-and-rinse, low/high, adjustable pressure gun. Use the scrub brush or floor squeegee wand, along with the drying appliance attachment and hand squeegee, for great professional results.

PORTABILITY

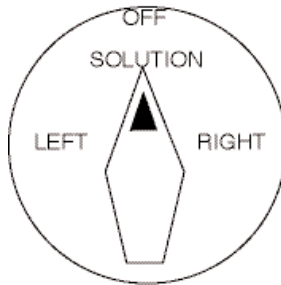
With it's heavy-duty 12" wheels and 5" casters, the KLEEN-SAFE maneuvers in tight spaces and hard-to-reach spots.

PRIMING

Mytee Products, Inc. is the first in the industry to introduce the 60 second electronic, hassle-free prime. With just a push of a button, your KLEEN-SAFE will prime in 60 seconds, without a priming hose!

Set-up

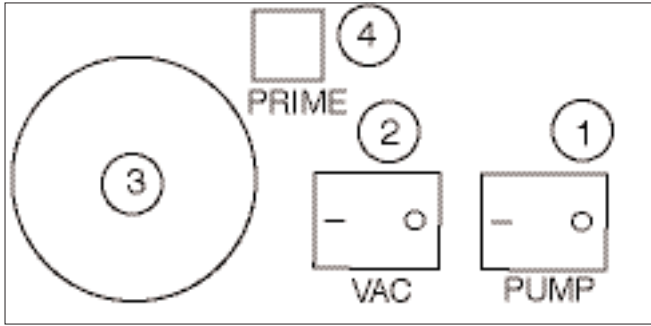
1. You will find a black plastic 45-degree elbow inside the machine. Place this elbow on the drain valve on the rear of the unit. The elbow will direct the flow of recovered water downward.
2. Plug in yellow electrical cord into a 20-amp circuit outlet.
3. Fill solution tank with water, and add 1/2 cup of rinse additive.
4. It is very important that you prime the pump. To do this, plug in solution hose to the quick disconnect and cleaning tool. Turn the pump switch (4) on and depress prime button for a continuous 60 seconds.
NOTE: THE GAUGE WILL NOT REGISTER PRESSURE WHILE THE PRIME SWITCH IS DEPRESSED
5. Next, install the containers of cleaning solution into blue baskets under the handle on the rear of the machine. Install the metered supply tubes into the cleaning chemical.
6. For first time use, and units that have air bubbles in chemical tubes (“a dry system”), you must prime the chemical injection system. To do this, open the solution tank cover, remove clear tube, take off colored metering tip, and replace the tube. Turn chemical selection knob to desired chemical. With the pump still on, adjust trigger gun to low-pressure chemical position (nozzle pulled out), and pull trigger to verify chemical delivery. Select the proper metering tip for desired ratio. Once again, remove tube in solution tank, install desired tip, and replace tube.



7. With the machine plugged in, solution tank full, and pump primed, you are now ready to begin cleaning.

Operation

KS500



1. To begin cleaning, make sure trigger gun is in the low-pressure chemical position (nozzle pulled out.) Spray desired areas thoroughly by rotating nozzle to desired fan pattern (left= stream, right= fan.)
2. When desired application of chemical is obtained, set trigger gun to the high-pressure solution position (nozzle pushed in), and rinse off chemical.
3. The pressure gauge (3) registers the pressure output of the spray gun. Pressure can be regulated with the control knob located on the front, lower right of machine. To increase pressure, turn knob clockwise, and to decrease pressure, turn it counter-clockwise.
4. When complete, turn pump switch (1) OFF.
5. To remove water from floor, attach green vacuum hose to the recovery tank inlet, and attach floor squeegee wand. Turn vacuum switch (2) ON. With a level back and forth motion, suction up excessive water. For larger puddles, use the gulper tool instead of squeegee.
6. To dry off surfaces, attach yellow vacuum hose to exhaust fitting at the lower rear of machine. Turn vacuum switch (2) ON. For smaller and harder to reach areas, use the wand and dryer nozzle.

TROUBLESHOOTING

SYMPTOM: Unit will not turn on.

PROBLEM: Not plugged in.

SOLUTION: Plug machine in proper outlet.

PROBLEM: Circuit breaker has popped.

SOLUTION: Reset circuit breaker. Make sure no other items are running on the same circuit as machine. Outlet must be a 20-amp circuit.

PROBLEM: Wire from power cord has become disconnected from terminal block.

SOLUTION: Reattach wire to terminal block.

SYMPTOM: Pump is not running properly.

PROBLEM: Quick disconnects are not completely locked together.

SOLUTION: Snap quick disconnects firmly together.

PROBLEM: Switch on switch plate is bad.

SOLUTION: Replace switch.

PROBLEM: Jets on wand are clogged.

SOLUTION: Clean jet with soft wire brush or remove jet and flush clean.

PROBLEM: Filters are clogged.

SOLUTION: Remove filters and rinse with clean water.

PROBLEM: The solution tank is empty.

SOLUTION: Fill the solution tank up with a premixed detergent.

PROBLEM: Pump wire has become disconnected.

SOLUTION: Reconnect wire.

PROBLEM: Pump motor brushes are worn out.

SOLUTION: Replace pump.

PROBLEM: Pressure drops and pump pulsates and/or makes noise.

SOLUTION: With pump running, and solution hose and cleaning tool attached, depress priming button for 60 seconds.

PROBLEM: Pump is pulsating.

SOLUTION: Tighten all hoses. Check for leaks.

PROBLEM: Pressure switch on pump head is bad.
SOLUTION: Replace with new pressure switch.

SYMPTOM: Vacuum motor not working properly.

PROBLEM: Switch on switch plate is bad.
SOLUTION: Replace switch.

PROBLEM: Hose not connected tightly to wand or machine.
SOLUTION: Connect hose tightly.

PROBLEM: Wand is clogged with hair, carpet fibers and or debris.
SOLUTION: Clean wand.

PROBLEM: Drain valve is not shut completely.
SOLUTION: Close drain valve completely.

PROBLEM: Vacuum tank lid is not on tightly.
SOLUTION: Secure the vacuum tank lid on tightly.

PROBLEM: Vacuum tank lid or the vacuum tank is cracked.
SOLUTION: Replace the vacuum tank lid or the vacuum tank.

PROBLEM: Vacuum hose is cracked or split.
SOLUTION: Replace vacuum hose.

PROBLEM: Ball float is shut off.
SOLUTION: Empty the vacuum tank of all wastewater.

PROBLEM: Vacuum motor armature is worn out.
SOLUTION: Replace vacuum motor.

PROBLEM: Water is coming out of the vacuum motor.
SOLUTION: Use a low foaming detergent.

PROBLEM: Ball float is not installed correctly.
SOLUTION: Make sure the ball float is firmly installed on the elbow.



DESCRIPTION	PART NUMBER
3 stage vacuum motor	C302
450 psi pump	C313
1/4" male quick disconnect	B101
1/4" female quick disconnect	B102
1/2" filter strainer	B119A
In-line filter	B175
Dema injector	B223



DESCRIPTION	PART NUMBER
6" vacuum tank lid	G056
Float assembly cage	H235
Float assembly elbow	P755
Plunger and seals	RK0022
Valves and O-rings	RK0023
Cam bearing	RK0024
2 position switch	E515



DESCRIPTION	PART NUMBER
Prime/pressure relief cilinoid valve	B239
High pressure hose	A943
Scrub brush	H695
Scrub brush handle	H696
12" hand squeegee	H699
Gulper tool	H700
18" floor squeegee with wheels	H815





DESCRIPTION	PART NUMBER
35' green vacuum hose	H843
35' yellow vacuum hose	H844
2 piece, aluminum, button-lock wand	P505
Hose hanger	H375
Chemical container bracket	H688
High pressure spray gun	A1007
Dryer nozzle	A919

