

The **Compactor Guy** Inc.

TCG-DA1000 COMPACTOR OPERATION AND MAINTENANCE MANUAL



To Order Replacement Bags and Compaction Plate Covers

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TCG COMPACTOR DA1000 OPERATION AND MAINTENANCE MANUAL

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TCG COMPACTOR DA1000 OPERATION AND MAINTENANCE MANUAL

Thank you for your purchase of the TCG COMPACTOR DA1000 Waste Compactor. With just a little preventative maintenance and keeping your unit clean, we are sure it will provide many years of trouble-free operation.

Please read this manual carefully before installing or servicing the equipment.

1. Method of Operation

When a customer approaches the TCG COMPACTOR DA1000, the waste door opens and one of seven prerecorded messages plays. The motion sensor is set at the factory to open the door at approximately 2 feet when approached. The door closes when the customer moves away from the machine. This is considered as one single door opening cycle. The door will also open if you approach the compactor from the side by just touching the door. This can be done by not walking in front of the motion sensor.

After seven door cycles, the TCG COMPACTOR DA1000 locks the door and plays a message that says, "One moment, I'm compacting." The unit then goes through a 12-second compaction cycle. If you want the waste door to open just by touching it and not using the motion sensor, you can deactivate the motion sensor by pulling plug on sensor only.

In a quick service (fast food) restaurant, the volume of waste should be reduced by 8 – 10 times over normal, non-compacted waste receptacles. Compaction container will hold approximately 300 people's waste before emptying. Poundage could be between 30 – 50 lbs.

1.1 TCG COMPACTOR Built-In Safety Features

Unit will not run when waste door is open. (Compaction plate will not go down.) Compactor has safety redundant switches. See photo at right.

Unit will not run when main door is open. (Compaction plate will not go down.) See photo at right.

Unit will not run if bottom door is open when inserting penny in slot. (Compaction plate will not go down.) See photo at right. See Section 7.3 for cleaning compaction plate.



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2. Set-up

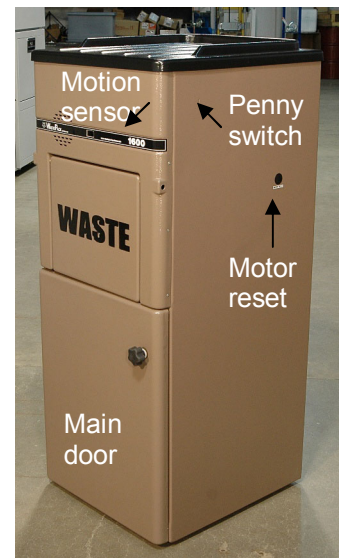
2.1 Selecting the Location

It is important to place the TCG COMPACTOR DA1000 in a suitable location. If possible, the front of the unit should be at least 3 feet (1.2 meters) away from customer traffic lanes, such as exits and restrooms to prevent unintended activation of the door.

Place the unit close enough to an electrical outlet to avoid using extension cords. The system operates on a 15 – 20 amp circuit. If there is not a wall power outlet, please use an electrical power pole. These are available from the factory.

2.2 Inspecting the Unit

Remove the packing materials from the unit. Inspect for any damage that may have been missed when the unit was delivered, and report it to the delivering carrier. In addition to this manual, each TCG COMPACTOR DA1000 includes a box of 40 specially designed compactor bags.



2.3 Installing the Compactor Bag



The cart has two parts: the portable waste transport tray on wheels and a removable sleeve. Make sure the sleeve is positioned where it says FRONT. This permits the cart to be lifted into the unit.



Pull the cart from the unit using the attached handle. Remove a single bag from the box and place it in the cube. Fold the excess over the outside edge of the cube as shown in the figure at left, and then fold it back up to form a cuff. This will help prevent liquids from flowing over the bag during the compaction cycle.



Collapse the handle and position under lip of cart. Lift the cart into the TCG COMPACTOR DA1000, and push the cart completely into the unit. Close the door and tighten the knob to secure. **CAUTION: Do not over-tighten knob**

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2.4 Powering up the Unit

The electrical cord is located on the back of the unit. Pull the head of the cord out and extend the cord to its full length. Plug the TCG COMPACTOR DA1000 into an electrical outlet with ground. On and off switch is located in back of the unit on upper right side. Turn switch on. The TCG COMPACTOR DA1000 will cycle and the recorded message, "I'm ready to go" will play.



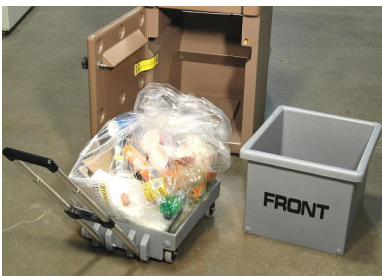
Note: The standard TCG COMPACTOR DA1000 is wired to operate on 115 volts, single phase electrical power. It can be wired for 230 volt single phase on special order.

3. Operating the Unit

When the TCG COMPACTOR DA1000 gets so full that it cannot accept anymore waste, the unit locks the door, beeps and plays the message – "I'm full. Empty me." During use the cube does not get any larger. As it fills, the cube becomes more and more dense, but not larger. NOTE: Bag can be emptied at any time if a lighter weight is desired. You do not have to wait for unit to say "I'm full. Empty me."

Note: If the unit shuts down at a critical time or if the bag does not appear completely full, you can delay emptying the unit by turning off the switch on the back. Wait 10 seconds, and then turn switch back on. This will reset the counter and permit normal operation.

3.1 Emptying the Unit



To empty the TCG COMPACTOR DA1000, open the main door. Using the expandable handle on the cart, pull it from the unit. Pull the sides of the bag up and secure with a twist tie (not provided) or by tying a knot in the bag.

If so desired, use the cart to transport the bagged waste to the dumpster. Remove the sleeve and dispose of the waste. Replace the sleeve, making sure the sleeve is positioned where it says FRONT.

IMPORTANT: Inspect the top of the compaction plate daily and clear it of any trash that may be on top. (See Section 7 for details on cleaning the compaction plate.) Insert a new bag using the procedure in Section 2.3. Replace cart and secure door by turning knob clockwise.

Caution: Do not over-tighten door knob. Over-tightening could cause knob to come loose.

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4. Transporting the DA1000

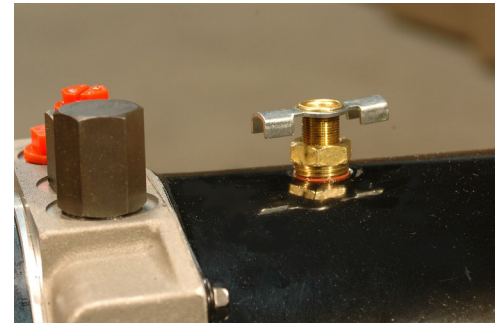
If it is necessary to transport the TCG COMPACTOR DA1000, turn switch off and unplug the unit first.

4.1 Transporting Upright

Secure the unit with ties onto the hand truck to prevent damage and possible injury.

4.2 Transporting on its Side

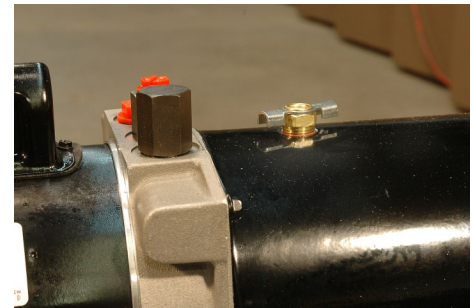
If it is necessary to transport the TCG COMPACTOR DA1000 on its side, you must take special precautions to prevent leakage of hydraulic fluid. With the unit upright, remove the rear access panel. This exposes the motor and pump assembly. Locate the breather wing nut on top of the oil tank. Turn knob clockwise to close (fitting moves up). This is necessary to prevent hydraulic fluid from leaking out of the filler hole when transporting the unit on its side.



breather cap closed position

Facing the TCG COMPACTOR DA1000, tip it to the left so that it is lying on its left side.

Be sure to open the breather cap before putting the unit back into service. This accomplished by turning the wing nut counter clockwise to open. (Valve is moving down).



breather cap open position

5. Adjustments

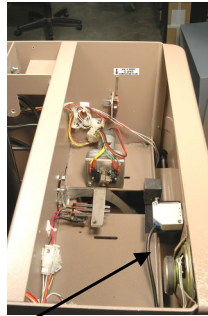
The TCG COMPACTOR DA1000 comes ready to go and needs no major adjustments to operate. Surrounding conditions may make it necessary to make minor adjustments to the machine.

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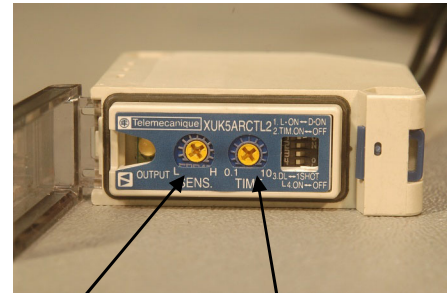
5.1 Motion Sensor



Motion sensor



Remove screw that holds sensor



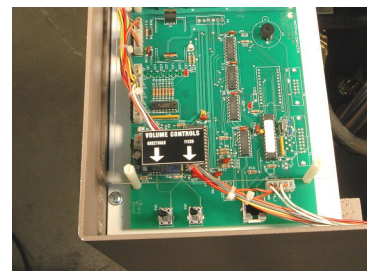
sensitivity delay

The motion sensor that triggers the waste door to open is located inside the door, behind the TCG COMPACTOR label. The user can adjust the sensitivity and the delay before the door opens. The factory setting is approximately 2 feet. To adjust the sensitivity, one individual needs to stand approximately 8' in front of the unit while another adjusts the sensitivity dial. The first individual needs to walk towards the sensor until the desired door opening distance is accomplished.

1. Unplug the unit and remove the two screws holding the top tray holder cover. Motion sensor is in front center of unit.
2. Use a small Phillips screwdriver to remove the screw and nut holding the sensor in place. Remove the sensor.
3. The sensitivity adjustment determines how close a person has to be to the TCG COMPACTOR before it opens. Turn the screw to the left (counterclockwise) to decrease the sensitivity. Turn it to the right (clockwise) to increase the sensitivity.
4. The delay adjustment sets how quickly the door opens after the sensor detects motion. We suggest that this screw be set as far to the left as possible to allow the door to open quickly. (This has already been set in this manner at the factory.)
5. Replace cover and secure with screws. **CAUTION: Do not over tighten screws. This will bind the top cover.**

5.2 Volume Controls for Voice Messages

Two separate volume controls are located under the top tray-holder cover. One is for the factory fixed safety messages and commands. Note: these messages cannot be changed. The other volume control is for a series of volume controls.



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Volume Controls for Voice Messages – continued

generic type voice greetings which are activated by the motion sensor when patrons deposit their waste into the unit. These voice greetings can be changed by calling (763) 230 3927. If you want to increase or decrease volume, turn counter-clockwise to decrease, clockwise to increase.

6. Maintenance and Service

6.1 Circuit Board

There are no user serviceable parts on the circuit board. There are certain procedures that will correct most problems. See the trouble shooting guide before attempting to remove the board.

6.2 Changing the Digital Messages

Note: System Maintenance messages cannot be changed. Changing the customer messages requires the factory to make the voice changes for you. Listed below are the both the System Maintenance messages and the standard customer messages.

Message	Duration (seconds)	When Used?	Can it be changed?
Thanks for dining with us. We hope you enjoyed your visit.	6	rotates	yes
Thanks a lot. Come back again real soon.	6	rotates	yes
Hi, I'll help you. I'll hold the door, you put in the waste.	6	rotates	yes
Thank you again. Have a great day.	6	rotates	
We really appreciate your business.	6	rotates	
Please come back again.			
Serving you has been a pleasure. We hope you had fun.	6	rotates	
Thank you for helping us keep our environment clean.	6	rotates	
I'm full. Empty me.	3	when unit is full	
Push the waste all the way in so the door can close.	3	when door is blocked open	
I'm ready to go.	2		
One moment please, I'm compacting.	2		

The volume for both types of voice messages can be changed - turn clockwise to increase volume and counter-clockwise to decrease volume.

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The volume for both types of voice messages can be changed. They are preset at the factory. Turn counter-clockwise to decrease volume, clockwise to increase volume.

6.3 Preventive Maintenance Schedule

The TCG COMPACTOR DA1000 requires minimal service for it to operate properly. Use the following chart to plan maintenance to guarantee long equipment life. **Caution: Be sure to turn off switch and unplug unit when doing maintenance.**

Service/maintenance function	Daily	Weekly	Monthly	Quarterly	Annually
Clean top of compaction plate	Y				
Wipe down outside of cabinet	Y				
Thoroughly clean inside of cabinet		Y			
Check door function			Y		
Check hydraulic fluid level ***				Y	
Check for loose fasteners & tighten (check after first month, then annually)					Y

*** To check oil level, remove oil breather wing nut on top of motor. **Note:**

Compaction plate must be all the way up to check fluid level. Put pinky finger in hole all the way to the baffle plate to check. You should have 1/4" – 3/8" oil on finger. Replenish with No. 46 hydraulic oil.

6.4 Troubleshooting

Problem	Possible Cause	Corrective Action
Has stopped in the middle of a compaction cycle	Electrical surge or motor overload trip	Turn switch off, wait 10 seconds, turn back on. If this does not help, on the right side of unit, remove cap. Push red reset button on motor. If the problem is not resolved then turn off the unit, replace 20 amp fuse, then turn the unit back on.
Does not operate	No power	Turn off the unit, check the power cable, circuit breaker and fuses. Turn the unit back on.
Unit is locked and the waste deposit door will not open	Unit cycling, unit is full and needs emptying. Unit unplugged.	Wait for unit to cycle or empty unit. Turn off, wait 10 seconds, turn back on.

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6.4 Troubleshooting continued . . .

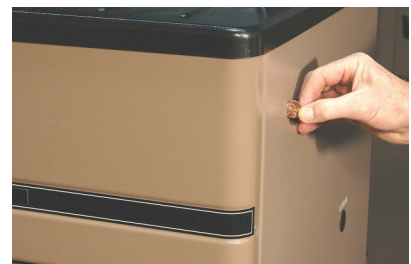
Problem	Possible Cause	Corrective Action
Waste deposit door stays open with no one standing in front of eye	Electric eye may be blocked or sensitivity not set correctly	Make sure there is nothing obstructing the eye or call factory to correct
Hear Service Message repeating: "Please push the waste all the way in so the door will close"	Deposit door is blocked	Remove trash blocking door opening
Hear Service Message prematurely repeating the message, "I'm full, empty me"	Trash is accumulating on top of compaction plate Packing cube is actually full or multiple door reset openings without waste deposits have occurred	Clear off waste on top of compaction plate – see Sec. 7 Empty the packing cube or system by shutting off, waiting 10 seconds and then turn unit back on
Message volume is too low or too high	Volume adjustment knob is turned down too low or too high	Correct volume setting using the adjustment knob inside the top cover. See Sec. 5.2
Waste fluid leaking from unit	Container not lined properly, or the bag is no longer draped over the sides of the packing cube, or the bag is damaged, defective, torn or punctured	Replace bag.
Fuses blow	Trash is accumulating on top of compaction plate	Clear off waste on top of compaction plate and replace 20 amp fuse.

7. Cleaning Compaction Plate

WARNING

From time to time, trash may become lodged on top of the compactor plate. This may cause the unit to malfunction unless it is removed. We recommend that you check the plate for debris whenever you empty the TCG COMPACTOR DA1000.

1. Open the main door. Remove the cart.
2. Clean the bottom of the compaction plate.



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3. To make it easy to clean top of compaction plate, there is a slot on the right side of the DA1000. Main door must be closed before putting penny into slot. This will lower the compaction plate to a factory set position.
4. Open the door and clean paper and debris from the top of the compaction plate.
5. The compaction plate will return to the up position by closing the door (without locking it).
6. Open the door and replace the cart.
7. Close the door and lock it, and the system will indicate: "I'm ready to go" with a voice message.



CAUTION . . . Do not over-tighten door handle as the handle may come loose.

8. Ordering Information

You can keep your new TCG COMPACTOR DA1000 operating efficiently by only using genuine TCG COMPACTOR replacement bags and parts.

- 100 count roll of replacement bags. Made of heavy 3-mil, metallocene polyethylene, which reduces punctures and tears and prevents leaks.
- Poly Bonnets help keep the compaction plate clean when patrons dispose of sloppy waste (ketchup, gravy, etc.)
- Extra transport dolly to minimize downtime during busy times.

Contact The Compactor Guy Inc.
Phone: 905-614-0655
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Email: info@thecompectorguy.com

TCG Compactors reserves the right to make changes as needed and will notify customers on a timely basis.