



# **KFC Delivery System**

## **Vesture's DC System**

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### **Equipment**

Revised 20077

Heated KFC Delivery Bag – 1

# *Introduction*

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The Vesture Heated KFC Delivery Bag system is a low voltage; single bottom sleeved food delivery system for chicken products. The bag and heater is a lightweight system designed to help maintain the temperature of chicken products and hot side items during delivery. The major features are:

- Compartmental bag / Standard non-compartmental bag
- Carrying handles with sports strap (optional)
- Shoulder Strap (optional)
- Large heated compartment and two (optional) front compartments for cold product
- Power Distribution Unit (Referred to as PDU in the document)
- Element

## THE KFC Delivery BAG

The KFC delivery bag is designed and fitted with our new “bottom” type heater. The heater panel is encased in breathable nylon fabric that protects the heater element and which also allows the bag to breathe. For elements produced prior to 2007, the unlighted jumper enables the user to replace the power connection from the heater element without replacing the entire heater. Removing the locking harness and unplugging the unlighted jumper do this. Plug in the new unlighted jumper and re-attach the locking harness. Elements produced after 2007 will only need to replace the 20” lead, and does not have a locking harness.

The Heated KFC bag consists of the following components:

- Delivery Bag
- Heater Element
- 20” Replaceable Lead

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## Equipment

**THE POWER DISTRIBUTION UNIT (PDU)**

The PDU is an 800-watt, ten-station power supply distribution base. Each output can power 80 watts of energy to each bag. The PDU offers the following features:

1. Power On/Off switch
2. Fuse protection
3. Up to ten outputs (13.8 volts @ 5.8 amps each)
4. Lighted output indicators for quick diagnostics of PDU
5. Electrical short protection on all outputs
6. 120 volt input (240 volt model available)
7. Weighs 30lbs.
8. 5 of the 6' R/G leads and 5 of the 10' R/G leads



**BASIC WIRING**



Plug PDU into surge protector and then into AC power receptacle



PDU



Output of PDU to Red/Green Lead

Cable shortened for display purposes only

**PRE 2007**



Step 1



Step 2



Step 3



Step 4

Locking Harness Connects Heater Element to Un-Lighted Jumper

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**Equipment**

# Heated KFC Delivery Bag



Un-lighted Jumper plugs into Red/Green Lead box

## Description

Part	Function
<b>1 Delivery Bag</b>	KFC delivery bag
<b>2 Heater Element</b>	Low wattage thermal storage
<b>3 PDU</b>	Power distribution unit
<b>4 Red/Green Lead Box</b>	Light indicator
<b>5 Un-Lighted Jumper</b>	Sacrificial connector – Pre 2007
<b>6 Locking Harness</b>	Locks un-lighted jumper to main cord from element – Pre 2007
<b>7 Speed Rack</b>	Shelves for holding delivery system
<b>8 Trip-Lite Surge Protector</b>	Protection of power line surges and spikes (120 volt only)
<b>9 New Plug-in</b>	Post 2007 20" lead
<b>10 Element</b>	Element inside showing velcro



1



2



3



4



5 – Pre 2007



6 – Pre 2007



7



8



9



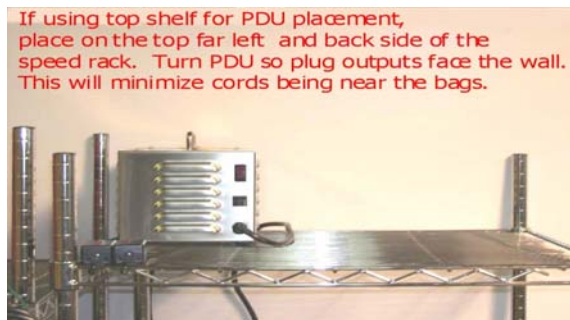
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# Installation

1. We assume your speed rack is in place, unpack the PDU and Red/Green leads. Layout all Red/Green leads. (Note: Make sure you have (5) 6 ft. and (5) 10 ft. Red/Green leads.)
2. PDU location:
  - A. Place on top shelf to far left. (See picture A1.)

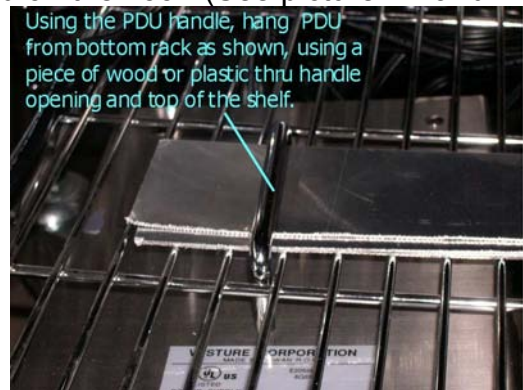


A1.

- B. (Vesture Corporation Recommended placement of PDU.)  
Using the PDU handle, place handle up through bottom wire shelf and place a flat object underneath handle to hold PDU up and off the floor. (See picture B1 and B2.)



B1.



B2.

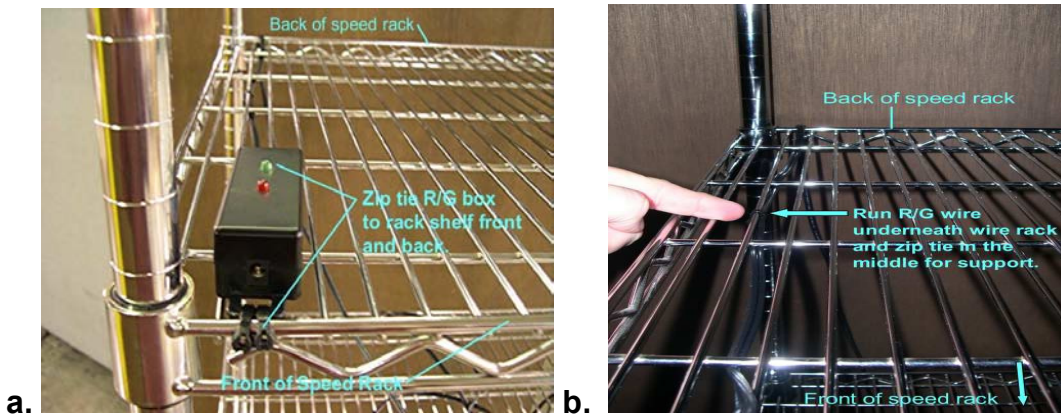
3. For best results, separate the 6 ft. and 10 ft. leads, this will allow you to effectively layout the leads on the speed rack. The 10 ft. leads should be placed on shelves that are located the longest distance from the PDU unit. And place the 6 ft. leads on the shelves that are located the shortest distance from the PDU unit.
4. The Red/Green lead boxes should be on the left side of the bag. For best results, place a few bags on the shelves to help you with placement of the R/G leads. (Please see wiring diagram on page 12.)
5. Once you have mapped out the location of the Red/Green leads on the speed rack, position all cords going from front of the rack to the rear of the speed rack. See

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## Heated KFC Delivery Bag

diagram. The best way to this with a wire speed rack, is to run wire underneath shelf, with red/green lead box on the top of the shelf. (See pictures a and b.)



6. \*Note: This picture represents a “good” way to run wires so that the bags are not hitting the wires by lying on the shelf itself. Run wires underneath on the rack and zip tie the wire about “half way” toward the back of the shelf to secure the wire. (See **b** picture.)
7. Using zip ties; please make sure to tie down each Red/Green box to wire shelf on both sides of the Red/Green box. The Red/Green box should be zip tie down tightly, so very little if any movement can take place.
8. Once all Red/Green boxes are zip tie down, run all wire leads to back of shelf. Use zip ties to securely fasten the lead wires to leg post.
9. Plug the Red/Green (5) 6 ft. and (5) 10 ft. leads into the PDU (Power Distribution Unit). The plugs will only fit one way.



10. Plug the PDU into a good quality surge suppressor and then into an outlet (120 volts-required only).

**R/G Lead:** When Red/Green lead boxes are plugged into PDU and power is applied, each R/G lead box red light will be flashing, indicating that it is ready for bag to be plugged in. When the bag is plugged in, the red light will turn solid red indicating the heater element is charging. The green light will come on when bag is ready for delivery.

11. Put the heater element into each bag. Keep the printed side down, but before attaching unstrap the locking harness on the unlighted jumper and put wire through grommet hole on bag. Replace locking harness to keep unlighted jumper intact, if using bags produced before 2007 will only replace 20” lead, no locking harness.

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Heated KFC Delivery Bag – 6

12. Plug in each element to the Red/Green box. When the element is first plugged in, the red light (on the Red/Green box) will come on and stay solid to show unit is charging.
13. In 5-8 minutes, the red light will go out and the green light will come on to show the unit is ready.
14. For deliveries, unplug the heater element from the Red/Green lead box prior to removing the bag from the speed rack. The unlighted jumper remains connected to the bag during delivery.
15. When returning from delivery place bag in proper position on speed rack, plug heater element lead wire back into the Red/Green lead box.
16. Lights should turn red when reheating. Reheating will take approximately 3 minutes. And the green light will come on indicating KFC bag is ready for delivery.
17. Changing 20" lead on 2007 production elements.



New 20" lead w/Molex.



Cut tie wrap.



Unplug & discard old cord.



Tie wrap attachment hole.



Plug in new lead.



Insert tie wrap provided.



Replacement tie wrap in place.



Completed assembly showing Velcro in corner for access to replace cord.

**Any questions or need of service, please contact our Customer Service Department at 800-462-4201 or 336-629-3000 ext. 213. Our Office Hours are Monday-Friday from 8:00a.m. – 5:00p.m. Eastern Standard Time. After hours calls will be returned within 24 hours, except on weekends.**

## ***Operating Procedures***

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1. Once you have Red/Green lead boxes installed on speed rack shelving, plug in the bag to begin charging of the heater element. **Note: User should be trained to make sure that the barrel connector is plugged completely into the R/G lead box with each and every use.**
2. Plug in the delivery bag using the one hand method. Grab the unlighted jumper connector coming from heater inside bag and insert free end of connector into the

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## Heated KFC Delivery Bag

Red/Green box. The indicative light system should change from blinking to solid red, showing bag is charging. (See pictures 1 and 2.)

3. When indicative light changes to green, the bag heater is fully heated and ready for the next delivery.
4. Best way to remove bag from speed rack shelving, is to take hold of the unlighted jumper or lead at the barrel end of the jumper or lead and unplug bag from Red/Green lead box. (See picture 1.)
5. Take delivery bag straight from shelf. Do not pull delivery bag at any angle from shelving, unless pouch is unplugged. If you pull the bag out straight, this will help in reducing R/G box damage.

PRE 2007



PRE 2007



PRE 2007



NEW 20" LEAD



6. After returning from delivery, return delivery bag to proper position on speed rack. Plug delivery bag back into the end the end of the Red/Green lead box. (See picture 3.)
7. The lights should turn red during reheating. Reheating will take approximately 3 minutes.
8. The green light will come on to indicate the delivery bag is ready for the next delivery.

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# ***Cleaning Procedure***

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## **Bag – Daily**

Wipe the bag's inside and outside with a damp cleaning cloth.  
Rinse by wiping with a clean cloth and clear water.  
Leave the lid open and allow bag to completely air-dry.

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## **Bag- Every 3 Months**

3 Choices for cleaning bags

**(Note: Be sure to remove heater element from KFC bag. Disconnect locking harness, and remove element from bag.)**

1. Professional Launder the bags. On a predetermined rotation, send out 2-5 bags per week to be professionally laundered.
2. Use washing machine. Wash only the bag in a washing machine with cold water on the delicate cycle, using delicate type detergents.
3. Use restaurant sink. Using a 3 compartment sink, fill washing sink with cold water and add delicate detergent based on amount required on bottle.

Wipe heater element with damp cloth only.

**Allow bag to air-dry before re-installing heater element into bag.**

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## **PDU – Daily**

Turn PDU OFF and remove plug from the power source.

Wipe with a clean dry cloth.

**DO NOT CLEAN OR SPRAY WITH WATER OR USE A DAMP CLOTH TO CLEAN PDU.**

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## **Equipment**

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# ***Problem Solving***

<b>Bag Not Heating</b>	<p>PDU is not plugged into power source..</p> <p>Power not On at receptacle.....</p> <p>PDU fuse blown.....</p> <p>Cord Faulty.....</p> <p>Heater Element Faulty.....</p> <p>PDU Faulty.....</p>	<p>Connect to AC Power.</p> <p>Have a qualified electrician check.</p> <p>Call KFC maintenance.</p> <p>Check for LED ON Green light solid on Red/Green lead box.</p> <p>Plug heater element into another Red/Green lead to check if un-lighted jumper or 20" lead is faulty.</p> <p>If un-lighted jumper or 20" lead has been replaced and plugged into different Red/Green lead boxes and is not working. Replace heater element.</p> <p><i>Call KFC maintenance.</i></p>
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**Equipment**

## Spare Parts List for Vesture's DC System:

	Item Number
1. KFC Bag .....	150.99.10503
2. Single Bottom Heater .....	150.90.10507
3. PDU 240 Volt.....	150.90.17000
4. Red/Green Leads 6ft. ....	150.90.11001
5. Red/Green Leads 10ft. ....	150.90.12001
6. Unlighted jumpers .....	150.90.10980 (Pre 2007)
7. Locking harness .....	150.90.13010 (Pre 2007)
8. Tripp Lite Surge Protector .....	200.90.01500 (N/A 240 Volt)
9. Replacement 20" Lead .....	150.90.10997

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# Heated KFC Delivery Bag



This wiring diagram represents the exact way the KFC delivery system should be installed in each KFC store. The Red/Green lead boxes and which ones to use by length are shown. The back of bag is actually facing out on the rack system.

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This wiring diagram is showing the direction flow of the wiring on the back side of the speed rack. You will also notice that the front of the delivery bag is facing toward to rear.

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## Heated KFC Delivery Bag



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### Equipment

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**Equipment**

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## Heated KFC Delivery Bag



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