

This Owner's Manual is provided and hosted by [Appliance Factory Parts](#).



# Vision Grill BDCK16C1AD1 Owner's Manual

[Shop genuine replacement parts for Vision Grill  
BDCK16C1AD1](#)



[Find Your Vision Grill Grill Parts - Select From 25 Models](#)

----- Manual continues below -----



**VISION GRILLS™**

# Diamond Cut B-Series Kamado Grill

## Welcome

Welcome to Kamado cooking! Our Vision Grills Kamado is based on 3,000+ years of clay pot cooking from around the world. Over generations our ancestors have continued to refine kamado techniques for grilling, smoking, baking and cooking all types of meats, poultry, fish and vegetables. Kamado cooking locks in moisture and provides a variety of ways to infuse different tastes into your foods that turns weekend grillers into neighborhood chefs.

Our Vision Grills Kamado builds on this heritage with fresh aesthetics, safety and convenience features, easy-lift lid with spring assist and high quality materials to define a new industry standard for design and innovation. The thick ceramic construction of our grill provides superior thermal insulation allowing you to grill, cook, bake or smoke regardless of the season, from the hot summer days in our home town of St. Louis to the cold snowy days in Ottawa Canada.

In this manual we provide the basics to get you cooking and invite you to our website [www.visiongrills.com](http://www.visiongrills.com), where we share recipes, detailed Use & Care information and contact information if you need more help. From our entire team here at Vision Grills thanks for your purchase and welcome to becoming the destination eatery in your neighborhood!



## Cooking with your Kamado

Your new Vision Grills Kamado is the complete outdoor cooking appliance that allows you to sear, grill, bake and smoke all types of food. For best results, we recommend using natural lump charcoal made from hardwoods. Compared to briquettes, natural charcoals start faster, burn cleaner and longer, reach higher temperatures and produce less ash. Left-over natural charcoal also relights for re-use. Before re-starting the grill, knock off excess ashes to any remaining charcoal. Routinely empty ashes, but only empty ashes when grill is cold.

Starting your Vision Kamado Grills is simple and fast: Open grill lid, open top and bottom vents wide open, fill the inner fire bowl with enough charcoal to just cover the air holes, then light the charcoal using either an electric starter or approved grill starters. After several coals are burning, spread evenly, close lid, adjust top and bottom vents, and wait for the Kamado to reach your desired cooking temperature. As needed, add more charcoal by using the flip grate feature, being careful not to burn yourself with the hot food or cooking grate.



### Quickly change from Charcoal to Gas and back again with...

#### Patent Pending **Quickchange™ Gas Insert**

With the Quickchange Gas Insert, you can enjoy the ease of gas grilling Monday through Friday, whether it be hamburgers, chicken, brats, or hot dogs, and also enjoy the low-and-slow charcoal grilling of ribs, brisket, or pork shoulders on the weekends. Whatever you're craving... it's up to you!

**YOUR GRILL. YOUR CHOICE.**

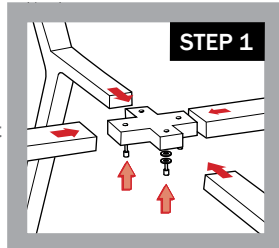


Find Vision Grills accessories like the Quickchange Gas Insert, Electric Starter, Charcoal, Gloves, Lava Stone and more at [samsclub.com](http://samsclub.com)!

# SET-UP

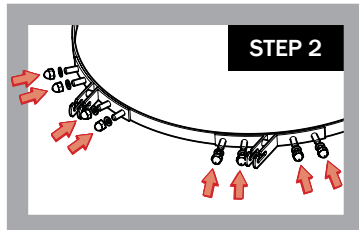
## Step 1: Cart Assembly

- Remove bolts, washers and locking washers from the two "X" connectors.
- Remove paper washers and begin assembling the "X" connectors and legs.
- Please Note: Top & Bottom "X" Connectors must be assembled at the same time in order to fit together.
- Assemble cart by inserting the two "X" connectors into leg ends and install bolts and washers in the same order they were removed from "X" connectors.
- While assembling, only finger-tighten bolts, to allow adjustment in cart. Otherwise it can be difficult to get all of the bolts inserted.
- Screw in Standard Rubber Wheels to rear Cart Legs and the Locking Rubber Wheels to the front Cart Legs (fig. 1b).
- Tighten nuts using wrench provided.
- After cart is assembled, confirm all bolts are tightened.



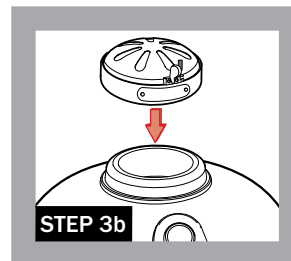
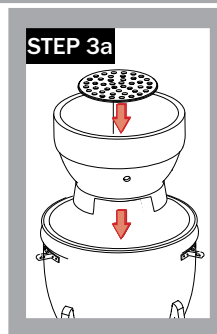
## Step 2: Shelf Brackets

- Remove the nuts and washers from the bolts welded on the bottom banding and remove the paper washers.
- Mount shelf brackets over studs on the sides of the metal bands on the bottom ceramic grill body with bracket slots facing up. Brackets are stamped on the back with letters indicating their position (e.g., LF=Left Front bracket and RB=Right Back bracket).
- Mount flat washer and nut on each stud and tighten with wrench provided.



## Step 3: Grill Assembly

- Take all parts out of grill before lifting. The grill is heavy and will require two people to lift and guide the Kamado into cart.
- Be sure bottom vent is centered and the grill is resting against the two back legs.
- (Step 3a:) Lower fire bowl into the grill, then place the cast iron grate into the fire bowl.

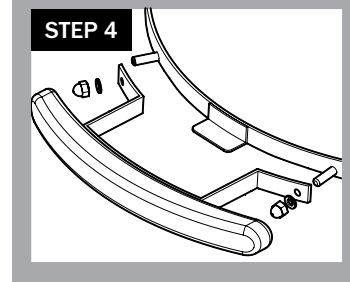


## Step 3: Grill Assembly (cont.)

- Place cooking grates onto grill with hinged section facing towards front of grill.
- (Step 3b:) Close lid and press top vent onto grill with calibrations facing the front.

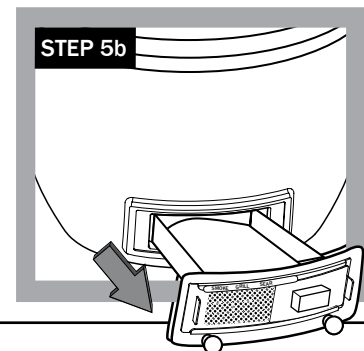
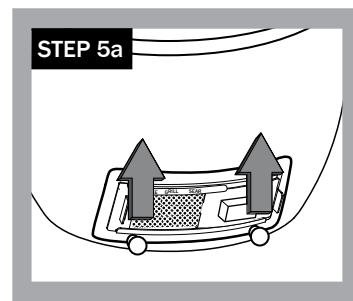
## Step 4: Handle and Side Shelf Mounting

- Remove the nuts and washers from the bolts welded on the top banding opposite the hinge.
- Remove paper washers and attach handle bracket over studs. On each stud place a flat washer and an acorn nut, then tighten.
- Mount side shelves by inserting the shelf rod into the shelf bracket. Tilting the shelf up slightly and sliding in or out allows you to remove or store the shelves.



## Step 5: Ash Drawer Usage

- When grill is cool it is safe to remove ash from Ash Drawer
  - (Step 5a:) Using both bottom knobs on Ash Drawer, lift slightly and (Step 5b:) pull drawer out.
  - Once ashes are emptied, reinstall by pushing Ash Drawer back into grill body until it drops down back into place.
- WARNING: ALWAYS WAIT FOR ASHES TO COOL BEFORE REMOVING ASH DRAWER. NEVER PULL OUT ASH DRAWER WHILE GRILL IS HOT.**



## Long-Term Maintenance

1. The Wood Side Shelves should be covered when not in use and may require refinishing from time to time.
2. Routinely check the Spring Assist Band to make sure the 25/8" bolts are tight and secure.
3. When moving your grill please remember to make sure locking casters are in the unlocked position and always pull your grill. Never Push it. Pull from the Back Hinge. Not the Handle. Your grill is more likely to tip if you push it and it hits a bump or indentation on the ground. Have a friend help.
4. Do not remove your Fire Bowl. Clean with an Ash Rake only when coals are cooled. The purpose of the Fire Bowl is to hold your lump charcoal and will continue to work even if it is cracked.

# WARNING

ATTENTION! Use caution when cooking, as grill surfaces get hot. To avoid burns, always use protective gloves to adjust top and bottom vents when grill is in use. Do not wear loose clothing near the grill.

ATTENTION! This barbecue will become very hot, do not move it during operation. For outdoor cooking use only. Do not operate grill indoors or in an enclosed space. Use grill only in well-ventilated areas. Keep immediate area around the grill free from combustible materials. Allow for at least 3 feet/1 meter of clearance around grill (house, other outdoor products, hanging tree limbs, shrubs, etc.)

WARNING! Keep children and pets away from the grill at all times.

Do not allow children to operate grill. Never leave grill unattended when in use.

Grill should be placed securely on a level base prior to use. Only operate grill on a hard, stable, level surface (concrete patio, ground, etc.) capable of supporting the weight of the grill when loaded with food. Never operate grill on wood support surface, wood deck or like combustible support surfaces. Never attempt to move grill when in operation or cooling down. Never operate this grill within 25 feet/7.5 meters of any flammable liquid. Never operate this grill within 10 feet/3 meters of a gas cylinder. The grill should not be placed under combustible structures, like garages, porches, patios, or carports. Burning charcoal produces carbon monoxide, an odorless gas, which can cause death.

The use of alcohol, prescription or non-prescription drugs may impair the operator's ability to properly assemble or safely operate the grill.

Do not use on boats or recreational vehicles.

CAUTION: Never use lighter fluid, gasoline, or other volatiles to start your charcoal, as it is dangerous and will leave a residual taste in your food. Use only firelighters complying to EN 1860-3. Use utmost care when adding charcoal to grill. Dispose of cooled ash by placing it in aluminum foil, soaking with water and discarding in a non-combustible container. Always wait for grill to completely cool before opening built-in ash drawer.

When cooking above 500°F/260°C, with both top and bottom vents closed, rapidly opening the lid creates a sudden rush of oxygen into the grill, which can cause a flare-up. When in this cooking mode, we recommend that, prior to opening the lid, you open top and bottom vents to allow oxygen to stabilize inside the grill, minimizing the possibility of a flare-up.



**WARNING:** FUELS USED IN LIQUEFIED PROPANE GAS APPLIANCES, AND THE PRODUCTS OF COMBUSTION OF SUCH FUELS, CAN EXPOSE YOU TO CHEMICALS INCLUDING BENZENE, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**ADVERTENCIA:** LOS COMBUSTIBLES USADOS EN EQUIPOS PARA LICUAR GAS PROPANO, ASÍ COMO LOS PRODUCTOS DE SU COMBUSTIÓN, PUEDEN EXPONERTE A SUSTANCIAS QUÍMICAS, ENTRE ELLAS EL BENCENO, QUE EL ESTADO DE CALIFORNIA RECONOCE COMO CAUSA DE CÁNCER Y DE MALFORMACIONES CONGÉNITAS Y OTROS DAÑOS AL SISTEMA REPRODUCTOR. Para más información, visite [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**WARNING:** FUELS USED IN WOOD OR CHARCOAL BURNING APPLIANCES, AND THE PRODUCTS OF COMBUSTION OF SUCH FUELS, CAN EXPOSE YOU TO CHEMICALS INCLUDING CARBON BLACK, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, AND CARBON MONOXIDE, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

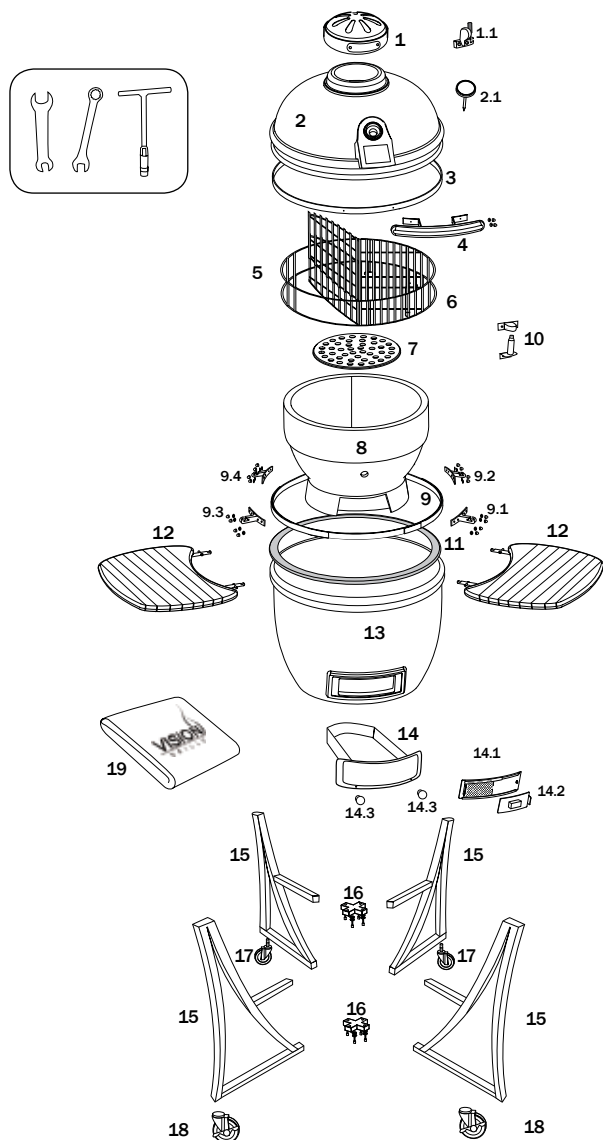
**ADVERTENCIA:** LOS COMBUSTIBLES USADOS EN EQUIPOS PARA QUEMAR MADERA O CARBÓN, ASÍ COMO LOS PRODUCTOS DE TAL COMBUSTIÓN, PUEDEN EXPONERTE A SUSTANCIAS QUÍMICAS, ENTRE ELLAS EL NEGRO DE HUMO Y EL MONÓXIDO DE CARBONO, QUE EL ESTADO DE CALIFORNIA RECONOCE COMO CAUSA, RESPECTIVAMENTE, DE CÁNCER Y DE MALFORMACIONES CONGÉNITAS Y OTROS DAÑOS AL SISTEMA REPRODUCTOR. Para más información, visite [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

[www.visiongrills.com](http://www.visiongrills.com)    [help@visiongrills.com](http://help@visiongrills.com)

1-877-917-4273

Vision Grills 1531 Fairview Avenue, Suite B, St. Louis, MO 63132

# PARTS



## Model # B-DCK16C1AD1

### PART NAME

### PART NUMBER

1	Cast Iron Top Vent	VGC TV-CA-CC
1.1	Control Tab with Stopper Pin	VGC TV-CA-ATSC
2	Ceramic Dome Lid	VGC CDL-DC
2.1	Thermometer	VGC IT
3	Top Ring Assembly	VGC RA1-L
4	Handle (with nuts & washers)	VGC HDL-DW
5	Top Cooking Grate	VGC CGT-L
6	Bottom Cooking Grate	VGC CGB-L
7	Charcoal Grate	VGC CG-L
8	Fire Bowl	VGC FB-ADB
9	Bottom Ring Assembly	VGC RA2
9.1	Right Front Side Shelf Bracket (with nuts & washers)	VGC SB-RF
9.2	Right Back Side Shelf Bracket (with nuts & washers)	VGC SB-RB
9.3	Left Front Side Shelf Bracket (with nuts & washers)	VGC SB-LF-L
9.4	Left Back Side Shelf Bracket (with nuts & washers)	VGC SB-LB-L
10	Shock Absorber Assembly	VGC AC-L
11	Felt Gasket	VGC FLT-L
12	Wood Shelves, Slatted, Dark (x2)	VGC WS-SD-L
13	Ceramic Dome Bottom	VGC DB-DCB
14	Ash Drawer Body	VGC ADB
14.1	Bottom Draft Door Frame	VGC BDDF-L
14.2	Bottom Draft Door	VGC BDD-L
14.3	Ash Drawer Knob (x2)	VGC ADK
15	Cart Leg (x4)	VGC ICLEG-4
16	"X" Leg Connectors (with bolts, washers & spring washers)	VGC XLC-L
17	Rubber Wheels (x2) Standard	VGC WHLS-L
18	Rubber Wheels (x2) Locking	VGC WHL-L-L2
19	Grill Cover	VGC GC-L

# WARRANTY

Subject to the following terms and conditions, Phase 2, LLC, d/b/a Vision Grills ("Vision Grills"), warrants to the original purchaser that the ceramic cooker manufactured or supplied by Vision Grills will be free from defects in material and workmanship under normal use for the following periods from the original date of purchase: limited lifetime for all ceramic parts, five (5) years for all metal parts, one (1) year for temperature gauge, gaskets and cover, 90 days for lava stone & bracket. This Limited Lifetime Warranty is contingent upon purchaser registering the product at [www.visiongrills.com/register](http://www.visiongrills.com/register) within 30 days from the date of purchase along with a copy of the original dated sales receipt, which can be attached in an electronic format (i.e. scan, photograph, etc.) to an email sent to [help@visiongrills.com](mailto:help@visiongrills.com). Failure to do so will invalidate the warranty. Any chips or cracks in the finish of the ceramic cooker present at the time of purchase must be noted on the original dated sales receipt. This Warranty is not transferable to subsequent owners. If you cannot register online, contact Vision Grills customer service at (877) 917-4273 or email [help@visiongrills.com](mailto:help@visiongrills.com).

If any product covered by this Warranty is defective due to a covered warranty condition, such product will, at the option of Vision Grills, be repaired to its original condition or replaced with a comparable new product or part. The repair and/or replacement of parts shall constitute the extent of the liability and obligations of Vision Grills under this Warranty. Purchaser is required to provide photographic evidence to assess the damage when submitting claims.

Scratches, cracks, chips, dents, crazing, or minor cosmetic blemishes of the exterior glaze not affecting performance are not covered under warranty, as determined by Vision Grills.

This Warranty does not cover damages caused by improper assembly, improper care, failure to follow directions of use, misuse, abuse, negligence, extreme environmental conditions, normal wear and tear, accidents, acts of nature, or unauthorized repair, alteration or modification, as determined by Vision Grills. This Warranty does not apply to chips or cracks in the ceramic cooker which may occur after the ceramic cooker is purchased by the original purchaser. Vision Grills is not liable for any default or delay in its performance under this Warranty that is caused by any circumstances beyond its control. This Warranty will be invalidated if any liquids, including starter lighter fluid, are poured on or in the ceramic cooker. The protective coating of the ceramic cooker can be compromised by substances or conditions that are beyond the control of Vision Grills. While Vision Grills uses rust-resistant materials, the Warranty as to metal parts does not cover rust or oxidation unless the structural

integrity of the ceramic cooker is compromised as determined by Vision Grills.

This Warranty does not cover purchases from unauthorized resellers and/or third parties. Warranty coverage is limited to products purchased at an authorized reseller only.

Commercial use and related applications are not covered under this Warranty. Warranty coverage is based on normal residential use and maintenance.

Vision Grills shall not be liable for any delay or default under this Warranty caused by any event or contingency beyond the control of Vision Grills. This includes acts of nature, fire, government restrictions or restraints, strikes, reduced supply of materials or transportation delays.

THIS WARRANTY IS THE EXCLUSIVE WARRANTY OF VISION GRILLS. VISION GRILLS EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER, AND VISION GRILLS IS NOT LIABLE FOR, ANY DAMAGES RELATING TO LOSS OF TIME, LOSS OF USE OF EQUIPMENT, INCONVENIENCE, OR ANY INCIDENTAL, SPECIAL AND/OR CONSEQUENTIAL DAMAGES. PURCHASER'S EXCLUSIVE REMEDY FOR BREACH OF THIS WARRANTY SHALL BE LIMITED AS SPECIFIED HEREIN TO REPLACEMENT OR REPAIR OF THE AFFECTED PRODUCT.

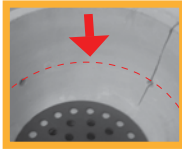
Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Vision Grills does not authorize any person or entity to assume any obligation or liability on its behalf in connection with the sale and purchase of any of its products. The purchase of any Vision Grills product from anyone other than Vision Grills or an authorized dealer will void the Warranty associated with the product. If you have a question regarding the identity of an authorized dealer, you should contact Vision Grills before you purchase the product.

To submit a warranty claim, the original purchaser or authorized agent of the original purchaser must contact Vision at (877) 917-4273 or contact Vision Grills via email ([help@visiongrills.com](mailto:help@visiongrills.com)) or through the website at [www.visiongrills.com](http://www.visiongrills.com).

# STARTING

## Step 1: Measuring Charcoal

Set bottom vent wide open and open lid. Measure out the amount of charcoal needed. For grilling foods fill the fire bowl with enough charcoal to just cover the air holes. Do not exceed 3.5 qt. (1.67 kg) of charcoal. For smoking foods at low temperatures for longer periods of time (1.5 hours+) you may need to add a little more charcoal, up to approximately 2" (50 mm) above the same air holes. Use lump charcoal for best results.



## Step 2: Starting Charcoal

Open top and bottom vents. Light charcoal using electric starter, firelighters or chimney. Do not use lighter fluids. For best results, use lump charcoal.



Electric Starter  
(Sold Separately)



Firelighters  
(Sold Separately)



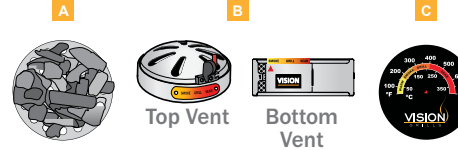
Chimney  
(Sold Separately)

## Step 3: Setting Temperature

When charcoal is ready level it out for even heat distribution. Close the lid. Set the top and bottom vents to the desired setting by referring to the Setting Temperature section in this manual that tells what number calibrations to use to attain the cooking temperature you want. Give your kamado 5-15 minutes to settle into the cooking temperature you want before you put food on the grill.

NOTE: If smoking, do not bring your temperature up above 200°F/93°C.

- A) Spread hot charcoal evenly over grate.
- B) Set top and bottom vents for cooking.
- C) Let temperature stabilize.



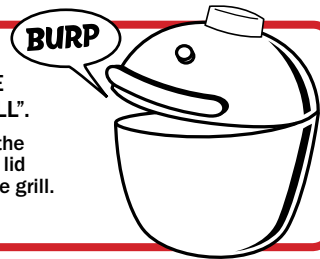
## Step 4: Get Cooking

Use a wire grill brush to clean the cooking grate. That's it - you are ready for the cooking experience of your life. Go to our website for recipes.

### PREVENT FLARE-UPS:

TO EXTEND THE LIFE OF THE FELT, MAKE SURE TO AVOID FLARE-UPS BY "BURPING YOUR GRILL".

If the lid is lifted too quickly, oxygen will rush inside the grill causing a flare-up. To prevent a flare up, lift the lid 1"/25mm and count to three before fully opening the grill. This method is called "Burping your Grill."



# SETTING TEMPERATURE

VISION Grills Kamado cooking temperatures are controlled by adjusting the calibrated top and bottom vents.

\*Caution - Decide if you're cooking low and slow, then do not let the grill get too hot. Keep the temperature low, it takes hours to cool down.

Increasing air flow through top and bottom air vents increases cooking temperature, just as decreasing air flow slows the burn and lowers the cooking temperature. Closing both top and bottom vents starves the charcoal of oxygen and shuts down the fire.

\*Caution - Continuous grilling at extreme high temperatures will cause the felt to burn.

	TOP VENT	BOTTOM VENT
<b>SEARING</b>	<b>500° + F</b> <b>260° + C</b>	<b>VISION</b>
<b>GRILLING</b>	<b>300° - 450°F</b> <b>149° - 233°C</b>	<b>VISION</b>
<b>SMOKING</b>	<b>225° - 250°F</b> <b>107° - 121°C</b>	<b>VISION</b>

# COOKING TEMPERATURE

All cooking times are approximate.

## SMOKING

	Approximate Cooking Time	Smoker Temp (°F)	Meat Temp. (°F)
<b>BEEF</b>			
Brisket (8 - 12 lbs)	1.5 hours/lb	225 - 250	185 - 205
Short Ribs	5 hours	225 - 250	Pulls back from bones
Tenderloin (3 - 4 lbs)	1-4 hours	225 - 250	120 - 160
<b>PORK</b>			
Baby Back Ribs (1.5 - 2.5 lbs)	5 hours	225 - 250	Pulls back from bones
Shoulder / Butt (6 - 8 lbs)	1.5 hours/lb	225 - 250	170 - 205
Ham (Bone In)	1.5 hours/lb	225 - 250	160
Spare Ribs (2.5 - 3 lbs)	5 - 7 hours	225 - 250	Pulls back from bones
Tenderloin (1.5 - 2 lbs)	2.5 - 3 hours	225 - 250	160
<b>POULTRY</b>			
Turkey (Whole)	15 - 20 min./lb	240 - 275	170
Chicken (Whole: 2.5 - 4.5 lbs)	2.5 - 4 hours	250 - 275	170

## GRILLING (350 - 450°F)

	Beef Temp (°F)	Pork Temp (°F)
Rare	125 + 3 min. Rest	—
Medium-Rare	130 - 135	145 + 3 min. Rest
Medium	135 - 140	150
Medium-Well	140 - 150	155
Well-Done	155+	160+
Ground	160	160
<b>Poultry Temp (°F)</b>		
Dark Meat	165 - 175	
White Meat	165	
Ground	170 - 175	