

VENTING INSTRUCTIONS

THE METHOD OF VENTILATION MUST BE APPROVED BY THE LOCAL CODE ENFORCEMENT AGENCY PRIOR TO EQUIPMENT INSTALLATION.

1. The smoker ventilation system should comply with this manual and the current edition of NFPA® 96.
2. It is recommended that Local Code Officials and a Commercial Kitchen Ventilation Contractor be consulted prior to installation.
3. Provisions must be made for adequate air supply for the smoker. If the smoker is to be installed in a sealed room or building utilizing exhaust fans, the room must be supplied with a return air system. Return air must be equal or in excess of the exhausted air.
4. The smoker should be positioned to provide a direct, or shortest, path to the outside for the exhaust duct.

Minimum Clearance Requirement from Combustible Material

Back.....18" (457mm)	Firebox Door Side.....24" (610mm)
Top.....18" (457mm)	Service Bay Side.....18" (457mm)
Front.....48" (1219mm)	

NOTE: If provision is made for service access, service bay side & back clearance can be reduced to 2" (51mm). Through the wall insulation kit allows for 0" clearance on contact surface with combustibles.

OPTION 1: VSP EYEBROW HOOD SYSTEM

Optional VSP eyebrow hoods are purchased through an authorized Southern Pride distributor.

- VSP eyebrow hoods are UL Listed to the applicable Southern Pride smoker model and are NSF certified.
- **VSP eyebrow hoods can be utilized in stand-alone or through the wall applications.**
- Applications with a straight run exhaust length in excess of 30 feet between the VSP eyebrow hood and the fan assembly, and/or applications with more than one bend/elbow in the exhaust duct may require a fan with a larger horsepower motor.
- Exhaust fans larger than the VSP standard will require more than 120 volt power and/or 20 amps. Fans requiring additional power can not be powered by the smoker. Additional wiring will be required to properly power fans larger than the standard.
- The room in which the smoker and hood are installed will need an adequate make-up air system to replenish the air removed by the VSP eyebrow hood system. The exhaust fan will draw approximately 1,320 CFM of air on low speed, while the smoker is operating and approximately 2,000 CFM of air on high speed when the product loading doors are open.
- **CAUTION: Unbalanced air pressure can have an adverse effect on the performance of the smoker and the hood.**
- **Use of a VSP eyebrow hood requires the smoker to be a front flue configuration.**

VSP EYEBROW HOOD SYSTEM TO INCLUDE:

1. VSP eyebrow hood
2. Two-speed fan (1,320 CFM / 2,000 CFM)
3. Curb with vented extension and hinge kit (must specify roof pitch)
4. Grease capture trough

SUPPLIED BY CUSTOMER:

5. Duct from hood to fan
6. Hood system installation

