

INSTALLATION GUIDELINES

The following guidelines are general in nature and can vary, depending on the model of the Ole Hickory Pits smoker.

Keep in mind that your local inspectors will have the final say when it comes to approving the installation at your location. Building codes vary in different cities so it is best to consult your local inspectors before starting the installation.

VENTING ROTISSERIE STYLE SMOKERS

The most common questions asked about the installation of Ole Hickory Pits smokers are about how they should be vented.

DIRECT VENTING

In most situations, the direct venting with the Ole Hickory Pits smoke evacuator system is the preferred method. This consists of a powered damper installed on the smoker that will open to allow the heat and smoke to be exhausted. Ductwork is installed and connected to a centrifugal, upblast exhaust fan that is on the roof. The damper remains closed during the cooking process and is automatically opened when the cooking chamber doors of the smoker are opened. The exhaust fan would also be activated when the doors are opened. The damper and exhaust fan will stay on until the cooking chamber doors are closed.

The venting materials used to connect the damper assembly to the exhaust fan should be approved by your local inspector. Ole Hickory Pits would recommend a 16-18 ga single wall steel duct that can be wrapped with insulation where this duct passes through a combustible ceiling or roof. This duct should be installed vertically, as straight as possible. Any bends or offsets cannot exceed 45 degrees. If it is necessary to use offset bends of more than 45 degrees, clean outs should be installed so the ducts can be cleaned when needed.

FLUE PIPE

The flue pipe must also be installed up through the roof. Depending on the model of the Ole Hickory Pits smoker, the flue pipe will be either a 4" or a 6". This flue pipe should be made from 16-18 ga single wall steel and can be wrapped with insulation where this passes through a combustible ceiling or roof. This flue must be extended to at least 24" taller than anything within a 10' radius of the flue pipe.

Rain caps must be sufficiently open to allow for the smoke to be vented freely. The best type is commonly described as a china hat style.

DOUBLE WALL DUCT

If a double wall duct is preferred, the “L” Vent style is acceptable. This “L” Vents style has a stainless steel inside lining and will tolerate the heat and smoke.

A single wall connector should be used at the flue pipe collar on the top of the smoker. This single wall connector has an extension on the inner wall that will extend inside the flue pipe collar on the top of the smoker. This allows any water vapor or grease vapors to drip back down the inside of the duct and drip back inside of the smoker, instead of puddling on the top of the smoker.

EXHAUST HOOD

If the local inspector requires an exhaust hood to be used instead of the direct vent system, the exhaust hood should extend out far enough past the doors to allow the heat and smoke to be drawn into the exhaust hood.

Most inspectors are not allowing the installation of our smokers under an exhaust hood that is being used to vent other appliances. They are requiring a separate exhaust be installed for only the smoker.

FLUE PIPE

It is acceptable to install a short flue pipe extension to vent the flue into the exhaust hood. This extension should be at least 18” long. This extension can be angled at no more than 45 degrees if necessary to vent this smoke into the center of the exhaust hood.

THRU WALL INSTALLATION

It is acceptable to install Ole Hickory Pits smokers through the wall so the doors of the smoker open into the kitchen while the rest of the smoker is outside.

The front of the smoker should be installed through a rough opening that is at least 2” larger than the smoker, all the way around. This 2” gap can be closed by using a flashing kit purchased from Ole Hickory Pits. Other suitable materials can be used that may match the materials of the wall.

If the smoker is installed through the wall and there is no roof above the smoker, a fan flange adaptor can be purchased from Ole Hickory Pits to allow the centrifugal upblast exhaust fan to be installed directly to the damper assembly.

CLEARANCES

Adequate clearances must be provided when installing the Ole Hickory Pits smokers.

A minimum of 18" clearance must be provided at the side of the smoker to allow for the removal of service panels and for maintenance work to be done.

A minimum of 18" clearance must be provided at the back of the smoker to allow for the removal of service panels and for maintenance work to be done.

A minimum of 2" clearance must be provided on the side of the smoker, opposite of the service panels, and also from the top of the smoker. His 2" clearance is from combustible or noncombustible building materials.

VENTING CTO OR CTO-DW SMOKERS

An exhaust hood is required to vent the CTO or CTO-DW smokers if they are installed indoors. Most inspectors are requiring these smokers to be under their own hood and not under a larger hood that may be venting other appliances.

The exhaust hood should extend far enough out to capture the smoke when the doors are opened.

Flue extensions should not be installed to the flue opening that come out of the top of the smoker.

GAS CONNECTION

Ole Hickory Pits smokers come with a gas shut off valve with ½" flare male threads for connecting the gas line to the smoker.

It is recommended that a flexible hose be used for the final connection to the smoker.

If the casters are remaining on the smoker, a strain relief attachment may be required.

GAS PRESSURE

Natural gas supply pressure to Ole Hickory Pits smokers should be within the range of 6-10" WC. If gas supply pressure exceeds this, the appliance regulator on the smoker may shut down.

LP gas pressure should be at 11" WC. A low pressure tank regulator must be used to provide the correct pressure from the LP tank.

ELECTRICAL

Ole Hickory Pits smokers come equipped with a 9-10' long power cord that can be plugged into a standard 120 Volt grounded receptacle. The power cord provides all of the power for the smoker and its options.