



# KEES, INC.

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## KITCHEN HOOD COLLAR INSTALLATION INSTRUCTIONS

Follow these instructions when the kitchen hood collars are not factory installed.

### NFPA INSTALLATION

Installation of hood collars must comply with NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking operations. NFPA 96 has several requirements for the construction and installation of ductwork and hood collars. Consult NFPA 96 and all applicable local codes before installing collars on the hood.

### EXHAUST COLLAR

If the exhaust collar opening is field cut, stay within the allowable limits marked on the hood. The size of the exhaust duct and collar must be in accordance with NFPA 96. Sizing them for a duct velocity between 1500 and 1750 FPM generally provides a good balance. A lower speed would result in a larger duct. A higher speed would result in a higher pressure drop.

Collars should be located as close to the center of the hood length as possible. On hood sections exceeding ten-feet in length, multiple collars are recommended. Local codes should also be consulted for collar spacing and quantity requirements.

If the collars are made on site, 1"x1" or larger stainless steel angle should be used with a thickness of at least 16-gauge. The pieces should not overlap each other. This will allow the collar to sit tight to the top of the hood. Continuously weld the collar around the opening.

### SUPPLY COLLAR FOR HOODS WITH SUPPLY PLENUMS

If the supply collar opening is field cut, stay within the allowable limits marked on the hood. The size of the supply duct and collar should be sized to obtain a duct velocity between 1000 and 1500 FPM.

Collars should be located as close to the center of the hood length as possible. On hood sections exceeding ten-feet in length, multiple collars are recommended. Local codes should also be consulted for collar spacing and quantity requirements. Edges of cut insulation should be covered or sealed as appropriate.

Consult NFPA 96 and local codes for supply air fire damper requirements and furnish as needed.

If the collars are fabricated on site, 1"x1" or larger stainless steel angle should be used with a thickness of at least 16-gauge. The pieces should not overlap each other. This will allow the collar to sit tight to the top of the hood. Continuously weld or spot weld the collar around the opening.

After installing the required collars, complete the hood installation by following Form # UL-HI: KITCHEN HOOD INSTALLATION AND MAINTENANCE MANUAL.