



KEES, INC.

Products for Sheet Metal HVAC, Food Service, & Architectural Construction Industries

400 S. INDUSTRIAL DRIVE - P.O. BOX 327 - ELKHART LAKE, WISCONSIN 53020 - (920) 876-3391 - FAX (920) 876-3065

KITCHEN HOOD INSTALLATION AND MAINTENANCE MANUAL

RECEIPT AND INSPECTION

Upon receipt check carefully for any shipping damage to the carton, crate and hood. Verify that all items as listed on the Bill of Lading have been received. Report any damage or shortage to the carrier immediately so that any required claim can be processed.

STORAGE

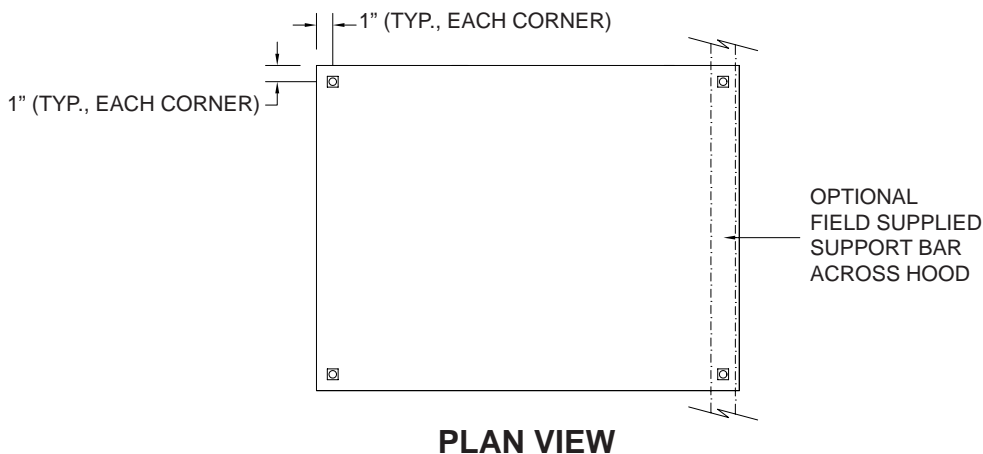
If storage is required, KEES recommends storing in a finished building or warehouse. If stored outside, take care to suitably protect the unit from dirt, moisture, corrosion, damage, etc.

INSTALLATION

The installation of this hood is to be in accordance with NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations. NFPA 96 has a number of installation requirements including minimum clearances to “limited-combustibles” and “combustibles”. Consult NFPA 96 and all applicable local codes before installing the hood.

Remove hood crating but do not remove protective plastic film until hood has been installed. Place protective material between any equipment used to move or support the hood during installation to prevent damage to the finish of the hood.

Threaded hanger nuts for 1/2" threaded rod are provided as shown at each corner of each hood section. 12' hood sections are also provided with 2 loose intermediate support brackets for field location and mounting to hood. If rods cannot be provided directly in the required locations, hang field supplied support bars across the hood supported from the support bars.



Interconnect hood and exhaust fan with duct constructed, installed and isolated from any “combustible” or “limited combustible” surfaces in accordance with NFPA 96 and all applicable local codes.

If hood is an “energy saving” or “tempered air” hood with supply air plenum, interconnect hood and supply fan with duct in accordance with local codes. Insulate duct work and install balancing damper and/or control dampers as desired or as required by local codes.

Install U.L. Listed fire extinguishing system in accordance with NFPA 96 and all applicable local codes.



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AIR BALANCE

For satisfactory system performance, the hood fan(s) must be balanced by qualified personnel. Refer to separate KEES Balancing Manual Form # BALM for additional information.

OPTIONAL AIR VOLUME CONTROLLER

An optional 18 gauge, 430 or 304 stainless steel air volume controller provides adjustment of free area by reducing the exhaust opening located behind the bank of grease filters inside the exhaust hood.

The air volume controller fits over (4) 1/4-20 stainless steel weld studs 1/2" long and is held in place by (4) 1/4-20 stainless steel wing nuts. The weld studs are permanently welded in place and do not penetrate the enclosure.

The air volume controller, under normal operating conditions, will allow adjustment from 100% to 33% free area. When the desired exhaust airflow is established by the air volume controller, a self-tapping stainless steel set screw is inserted into the perforated hole nearest the inside edge of the exhaust collar. The set screw will reference where the air volume controller was positioned when it is removed for cleaning.

Exhaust flow setting using this volume control damper shall not be less than the minimum exhaust airflow marked on the hood per UL 710.

OPERATION, MAINTENANCE AND CLEANING

Operate, inspect, clean and maintain the hood, duct(s), fan(s) and fire extinguishing system in accordance with NFPA 96, local health and safety codes, and instructions supplied with any of the system components.

Hood filters, all hood surfaces, duct work and fans should be cleaned frequently to prevent excessive grease accumulation.

The fire extinguishing system should be tested periodically as recommended by the manufacturer and in accordance with NFPA 96 and all applicable local codes.

WARRANTY

KEES warrants the hood(s) and all hood components supplied for a period of 1 year from date of shipment to be without defects in material and workmanship. Any unit(s) which prove to be defective during the warranty period will be repaired or replaced at KEES option when returned to our factory, freight prepaid. KEES will not be responsible for any removal or installation costs.