



# KS-100 ENERGY SAVING KITCHEN HOOD

## Specifications

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Short-Cycle (Energy-saving) hoods introduce untempered outside air directly into the hood, reducing room air exhaust and lowering energy usage. This concept may be used when code requirements for exhaust air exceed the amount required to fully exhaust the smoke, heat and grease generated by the cooking equipment.

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Provide KEES Model KS-100 wall hung (or KSI-100 island style) energy saving hood(s) constructed of 18 gauge (16 gauge) type 430 stainless steel having a #3 polish.

Hood(s) shall be double wall type capable of providing untempered make-up air into the internal hood capture area through adjustable rotatable supply air nozzles. Nozzles shall be capable of being locked in position after balancing.

Untempered air being introduced into the hood shall first encounter a perforated stainless plate to spread the air across the full length of the air plenum before entering the adjustable rotatable stainless outlet nozzles. The hood supply air plenum shall be completely lined with 1 inch thick 3# density UL Listed foil faced rigid insulation having a flame spread of 25 or below. Joints in insulation shall be sealed with aluminum thermal tape. Bottom of the supply plenum shall be lined with galvanized steel to facilitate cleaning.

End panels shall be 1 inch thick insulated double wall construction to prevent condensation on end walls. Hanger brackets shall be provided on each corner of hood and threaded to accept 1/2 inch rod. Additional hangers shall be provided on hoods over 132 inches in length.

All exterior seams shall be continuously welded, liquid tight as required by ETL, and ground and polished to match the original finish of the material. Hood(s) shall be fabricated in accordance with the National Fire Protection Association (NFPA) Bulletin No. 96, shall be National Sanitation Foundation (NSF) listed and bear the NSF seal, and shall be ETL Listed and ETL labeled as required. UL Listed exhaust air fire dampers shall be provided if required by local code. Hood shall include a UL Listed fire damper for each supply collar.

The full length filter housing with pitched grease trough shall be the same construction as the hood shell, complete with removable stainless steel grease container. Filters shall be UL Classified, 2" thick baffle type constructed of aluminum (stainless steel).

Lights shall be UL Listed incandescent vaperproof 100 watt type on approximately 3 foot centers pre-wired to a junction box on top of the hood. (Optional UL Listed fluorescent fixtures). Wiring shall conform to the National Electric Code (NEC).