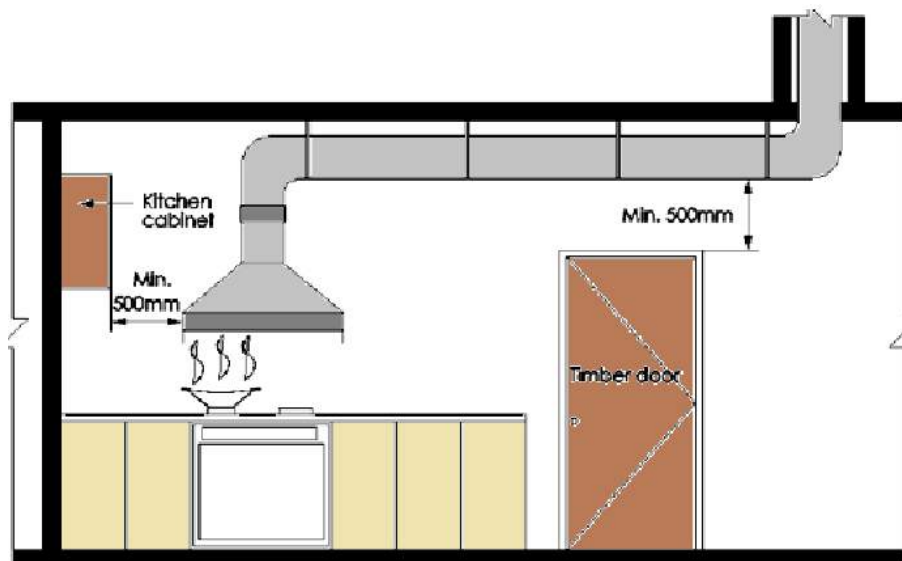


Table 10.16.: Ventilation System for Cooking Operations

ITEMS	REQUIREMENTS
4. COMBUSTIBLES IN KITCHEN	i. A minimum of 500 mm separation distance shall be maintained between any combustibles and the heat source and extraction ducting.
5. GREASE FILTERS	i. Listed grease filters, listed baffles, or other listed grease removal devices for use with commercial cooking equipment shall be provided. ii. Grease filters shall be arranged so that all exhaust air passes through the grease filters. iii. Grease filters shall be easily accessible and removable for cleaning. iv. Grease filters shall be installed at an angle not less than 45 degrees from the horizontal. v. Mesh filters shall not be used, unless tested and is part of listed exhaust hood.
6. DAMPERS	i. A fire-actuated damper shall be installed in the supply air plenum at each point where a supply air duct inlet or a supply air outlet penetrates the continuously welded shell of the exhaust hood assembly. ii. The fire damper shall be listed for such use or be part of a listed exhaust hood with or without an exhaust damper. iii. The damper actuation device shall have a maximum temperature rating of 141°C.
7. HOODS	i. The hood or that portion of a primary collection means designed for collecting cooking vapors and residues shall be constructed of and be supported by steel not less than 1.09 mm (0.043 in.) (No. 18 MSG) in thickness, stainless steel not less than 0.94 mm (0.037 in.) (No. 20 MSG) in thickness, or other approved material of equivalent strength and fire and corrosion resistance. ii. All seams, joints, and penetrations of the hood enclosure that direct and capture grease-laden vapors and exhaust gases shall have a liquid-tight continuous external weld to the hood's lower outermost perimeter. iii. Internal hood joints, seams, filter support frames, and appurtenances attached inside the hood shall be sealed or otherwise made grease-tight. iv. Listed exhaust hoods with or without exhaust dampers shall be permitted to be constructed of materials required by the listing.



Schematic 10.36.: Hood and heat source separation distance from combustible materials