

Article 47

Sprinkler nozzles shall be located pursuant to the following provisions:

1. Axle center of sprinkler nozzle shall be perpendicular to the mounting face.
2. Maintain a clearance within 45cm under deflector of nozzle and within 30cm in the horizontal.
3. Deflector of enclosed nozzle shall be installed under the mounting face (refers to slab or ceiling) at intervals not exceeding 30cm.
4. For enclosed nozzle installed under a beam, the distance between the deflector and beam bottom shall not exceed 10cm, and the distance between the deflector and the lab or ceiling shall not exceed 50cm.
5. When mounting surface of an enclosed nozzle is surrounded by beams of at least 40cm net height or by similar structures, its installation shall comply with the respective zoning. This is exempted if the interval between the beams or similar structures is less than 180cm.
6. Where enclosed nozzle is used and the width of the air duct or other obstacle exceeds 120cm, nozzles shall also be equipped under the air duct or other obstacles.
7. Sidewall sprinkler heads shall comply with the following requirements:
 - (1) Distance between the nozzle and mounting face (wall) shall not exceed 15cm.
 - (2) Distance between the deflector and ceiling or floor shall not exceed 15cm.
 - (3) Space within 45cm under the deflector or in the horizontal shall be kept clear.
8. Enclosed nozzle having a bean on the side shall be installed pursuant to the table below:

Net distance between nozzle and beam side (cm)	<74	75<99	100<149	≥ 150
Height of deflector exceeds bottom of beam (cm)	0	<9	<14	<29

9. For auto repair workshops, indoor parking lots and mechanical lift-type parking lots equipped with multi-level parking facilities, sprinkler nozzles shall be installed pursuant to Article 71, Subparagraph 5 and Subparagraph 6 specifications.

Sprinkler nozzle specified in Subparagraph 8 of the previous Pargraph shall be provided with protection plate if the distance between deflector and ceiling or slab is more than 30cm:

1. Protection plate shall be made of metal, and the diameter shall be no less than 30cm.
2. Distance between deflector and protection plate shall be no more than 30cm.