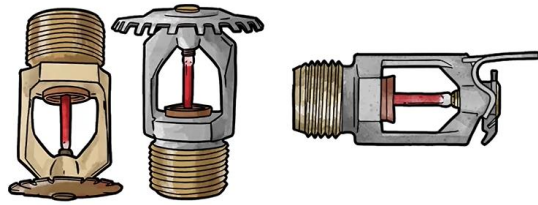


SPRINKLER-TO-SPRINKLER SPACING FOR STANDARD UPRIGHTS & PENDENTS?



SPRINKLER SPACING:

1. DISTANCE BETWEEN SPRINKLERS
2. DISTANCE BETWEEN SPRINKLERS AND WALLS
3. COVERAGE AREA FOR EACH INDIVIDUAL SPRINKLER
4. DISTANCE OF THE SPRINKLER BELOW CEILING/ROOF DECK
5. DISTANCE FROM THE SPRINKLER TO OBSTRUCTIONS
6. DISTANCE FROM THE SPRINKLER TO HEAT SOURCES



NFPA LINK® USED WITH PERMISSION. SEE LINK BELOW.



15.2.4.2.1*
The maximum allowable protection area of coverage for a sprinkler (A_p) shall be in accordance with Table 10.2.4.2.1.

Table 10.2.4.2.1(a) Protection Area and Maximum Spacing of Standard Pendent and Upright Spray Sprinklers for Light Hazard

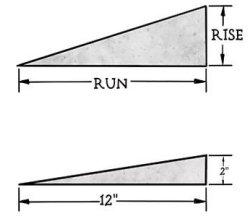
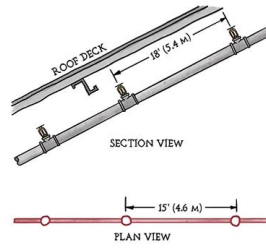
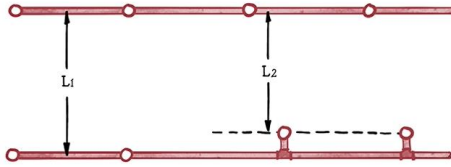
Construction Type	System Type	Maximum Protection Area		Maximum Spacing	
		ft ²	m ²	ft	m
Noncombustible unobstructed	Hydraulically calculated	225	20	15	4.6
Noncombustible unobstructed	Pipe schedule	200	18	15	4.6
Noncombustible obstructed	Hydraulically calculated	225	20	15	4.6
Noncombustible obstructed	Pipe schedule	200	18	15	4.6
Combustible unobstructed with no exposed members	Hydraulically calculated	225	20	15	4.6
Combustible unobstructed with no exposed members	Pipe schedule	200	18	15	4.6
Combustible unobstructed with exposed members 3 ft (910 mm) or more on center	Hydraulically calculated	225	20	15	4.6
Combustible unobstructed with exposed members 3 ft (910 mm) or more on center	Pipe schedule	200	18	15	4.6
Combustible unobstructed with members less than 3 ft (910 mm) on center	AS	130	12	15	4.6
Combustible obstructed with exposed members 3 ft (910 mm) or more on center	AS	168	16	15	4.6
Combustible obstructed with members less than 3 ft (910 mm) on center	AS	130	12	15	4.6
Combustible concealed spaces in accordance with 10.2.6.1.4	AS	130	11	15 parallel to the slope 10 perpendicular to the slope* 3.0 perpendicular slope†	4.6 parallel to the slope

Table 10.2.4.2.1(b) Protection Area and Maximum Spacing of Standard Pendent and Upright Spray Sprinklers for Ordinary Hazard



NOTES

Grid area for notes.



Chapter 10 — Installation Requirements for Standard, Pendant, In-Room, and Sidewall Spray Sprinklers

10.2 Standard Pendant and In-Room Spray Sprinklers

10.3 Sidewall Standard Spray Sprinklers

Tables From Chapter 10

10.2.5.4

Unless curved surfaces, the horizontal distance shall be measured at the floor level from the wall or the intersection of the curved surface and the floor to the nearest sprinkler shall not be greater than one-half the absolute distance between sprinklers.

10.2.5.3 Minimum Distances from Walls.

Sprinklers shall be located a minimum of 4 in. (100 mm) from a wall.

10.2.5.4 Minimum Distances Between Sprinklers.

10.2.5.4.1

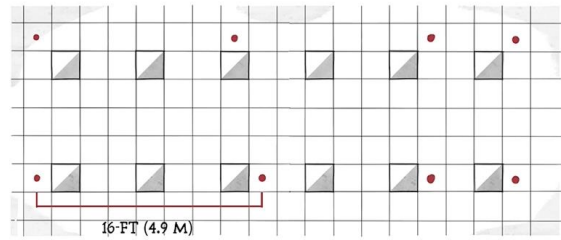
Unless the requirements of **10.2.5.4.2** or **10.2.5.4.3** are met, sprinklers shall be spaced not less than 8 ft (2.4 m) on center.

10.2.5.4.2

Sprinklers shall be permitted to be placed less than 8 ft (2.4 m) on center where the following conditions are satisfied:

- (1) Buffers shall be arranged to protect the actuating elements.
- (2) Buffers shall be of solid and rigid material that will stay in place before and during sprinkler operation.
- (3) Buffers shall be not less than 8 in. (200 mm) long and 6 in. (150 mm) high.
- (4) The tops of buffers shall extend between 2 in. and 3 in. (50 mm and 75 mm) above the deflectors of upright sprinklers.
- (5) The bottoms of buffers shall extend downward to a level at least even with the deflectors of pendant sprinklers.

10.2.5.4.3



NOTES

Grid of dots for taking notes.