

HS Series Sprayheads

Bidding Specifications

Sprayheads shall be HS Series fixed spray models as manufactured under the brand name of Irritrol Systems or approved equal.

Construction: The sprinkler shall be a fixed-spray type capable of covering a foot (meter) radius at psi (Bars). The sprinkler shall offer a series of interchangeable fixed arc Canopy spray nozzles in 7', 9', 12', and 15' (2,13 m, 2,74 m, 3,66 m and 4,57 m) radii. Each family of nozzles shall be available in 1/4-, 1/3-, 1/2-, 2/3-, 3/4- and full-arc configurations. All nozzles shall be shipped and installed with a filter screen device. A gray screen shall be provided for the 7'-, 9'-, and 12'-(2,13m, 2,74m, 3,66m) radii nozzles. A black screen shall be provided with the 15'- (4,57m) radius nozzles. All screens shall be captive to the nozzle when properly installed in the sprinkler head. The sprinkler shall offer a series of interchangeable variable arc nozzles (VANs) in 7', 10', 12', 15' and 17' radii. Each nozzle shall be able to accom-modate arcs from 25° to 360°. A gray screen shall be provided for all VAN nozzles.

Performance: Depending on Canopy nozzle selected and pressure, the sprinkler shall discharge from 0.16 GPM (0,61 L/M) to 4.35 GPM (16,47 L/M). Depending on VAN nozzle selected and pressure, the sprinkler shall discharge from 0.17 GPM (0,64 L/M) to 5.51 GPM (20,85 L/M). All nozzles shall be balanced with regard to their precipitation rate, whether spaced in a triangular or square spacing plan. All nozzles shall have a radius adjustment screw capable of reducing radius by up to 25% from the fully open position. Each nozzle family shall be color coded on the base of the nozzle unit. The body shall offer a pop-up height from the properly installed grade to the middle of the nozzle orifice (3", 4", 6", or 12") (7,62 cm, 10,16 cm; 15,24 cm; 30,48 cm). The sprinkler shall have a ratcheting riser allowing the installer to orient the spray to the proper area without turning the body once installed. The sprinkler shall have a 1/2" (1,27 cm) NPT inlet. An optional check valve shall be made available. It shall be universal to each sprinkler size and retrofitable to any previously installed sprinklers.