

I-PRO SERIES

Bidding Specifications

Spray heads shall be I-PRO Series fixed spray models as manufactured under the brand name Irritrol 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 I-PRO nozzles in 5', 8', 10', 12' and 15' radii. Each family of nozzles shall be available in 1/3, 1/4, 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 with the 5', 8', 10' and 12' radii nozzles. A black screen shall be provided with the 15' 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 8', 10', 12', 15' and 17' radii. Each nozzle shall be able to accommodate arcs from 0° to 360°. A white screen shall be provided for all VAN nozzles.

Performance: Depending on I-PRO™ nozzle selected and pressure, the sprinkler shall discharge from .05 – 4.58 GPM. Depending on VAN nozzle selected and pressure, the sprinkler shall discharge from .53 – 4.60 GPM. All nozzles shall be balanced with regard to their precipitation rate, whether spaced in a triangular or square radius by up to 25% from the fully open position. The VAN 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"). 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" female NPT inlet. An optional check valve and pressure regulator shall be made available. It shall be universal to each sprinkler size and retrofittable to any previously installed sprinklers.