

I-PRO SERIES

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 $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$ and full-arc configurations except 5', 8', and 10'. All nozzles shall be shipped and installed with a filter screen device. A gray screen shall be provided with the 5' and 8' radii nozzles. A black screen shall be provided with the 10', 12' and 15' radii 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 .06 – 4.75 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 $\frac{1}{2}$ " 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.