



Full Circle



Adjustable Arc

With a radius up to 96 feet from a single sprinkler, the I-90 boasts a coverage area no other commercial sprinkler can deliver. Yet, its reduced-size diameter and cushioned rubber cover make it the perfect choice for parks and wide-open lawn areas, as well as perimeter watering of athletic fields and horse arenas. The rotor is also easy to service, with a “jar-top”

body cap that allows quick access to the filter screen and check valve with no extra pieces, parts, or tools required. The I-90 is offered in two models—a full-circle opposing-nozzle version or an adjustable arc model—each with color-coded nozzles that can be field-changed to match the specific needs of your site.

Features & Benefits



Extra-thick heavy-duty rubber cover

Helps keep playing surfaces safe

6 color-coded primary nozzles

Truly uniform coverage and fast identification

Jar-Top serviceability

Easy access to screen, gear drive, and valve assemblies

Closed case rotor

Absolute protection from dirt

Proven, heavy-duty gear drive

Enduring reliability

Water activated riser seal

Clean flushing action and positive retraction

Heavy duty stainless steel spring

Assures positive retraction, time after time

Drain check valve to handle elevation change

Saves water, reduces liability

Models

I-90 36V – Full circle

I-90 ADV – Adjustable arc (40°–360°)

Dimensions

- Pop-up height: 3" (7.6 cm)
- Female inlet: 1½" NPT or BSP
- Exposed diameter: 3½" (8.9 cm)
- Overall height: 11" (28 cm)

Operating Specifications

I-90 36V

- Discharge rate: 29.8 to 69.4 GPM
(6.77 to 15.76 m³/hr, 113 to 263 l/min)
- Radius: 71' to 96' (21 to 29.3 m)
- Recommended pressure range: 70 to 90 PSI
(4.8 to 6.2 bars; 482 to 620 kPa)
- Operating pressure range: 50 to 100 PSI
(3.4 to 6.9 bars; 344 to 689 kPa)

I-90 ADV

- Discharge rate: 30.7 to 69.8 GPM
(6.97 to 15.85 m³/hr, 116 to 264 l/min)
- Radius: 67' to 90' (20.4 to 27.4 m)
- Recommended pressure range: 70 to 90 PSI
(4.8 to 6.2 bars; 482 to 620 kPa)
- Operating pressure range: 50 to 100 PSI
(3.4 to 6.9 bars; 344 to 689 kPa)

Options Available

- Reclaimed water identification
- Factory-installed nozzles
- Turf Cup Kit (part # 467955)









Rubber cover
keeps play
areas safe.



The Ideal Choice for Parks and Large Spaces

If you're looking for the smallest number of sprinklers to cover the greatest amount of turf, the I-90 is the choice. For sports fields that feature a substantial amount of turf—such as those for soccer, football or lacrosse—the I-90 gives you the ability to place just a few rotors in place and receive complete coverage from perimeter areas. After all, the I-90 is designed to effectively irrigate turf areas that require a sprinkler that distributes water well in excess of 90 feet. Plus, its small exposed surface and rubber cover make it the safe choice as well.







I-90-36V Nozzle Performance Data

| Nozzle | Pressure PSI | Radius ft. | Flow GPM | Precip in/hr ■ ▲ |
|--|-----------------|---------------|-------------|---------------------|
|  33 Gray | 60 | 71' | 29.8 | 0.57 0.66 |
| | 70 | 74' | 32.2 | 0.57 0.65 |
| | 80 | 76' | 34.4 | 0.57 0.66 |
| | 90 | 78' | 36.8 | 0.58 0.67 |
| | 100 | 80' | 38.6 | 0.58 0.67 |
|  38 Red | 60 | 74' | 33.3 | 0.59 0.68 |
| | 70 | 77' | 36.1 | 0.59 0.68 |
| | 80 | 79' | 38.4 | 0.59 0.68 |
| | 90 | 80' | 40.9 | 0.62 0.71 |
| | 100 | 82' | 42.8 | 0.61 0.71 |
|  43 Dk. Brown | 60 | 77' | 38.1 | 0.62 0.71 |
| | 70 | 79' | 40.9 | 0.63 0.73 |
| | 80 | 82' | 43.9 | 0.63 0.73 |
| | 90 | 83' | 46.5 | 0.65 0.75 |
| | 100 | 84' | 48.5 | 0.66 0.76 |
|  48 Dk. Green | 70 | 82' | 46.3 | 0.66 0.77 |
| | 80 | 86' | 49.6 | 0.65 0.75 |
| | 90 | 89' | 52.5 | 0.64 0.74 |
| | 100 | 90' | 54.8 | 0.65 0.75 |
|  53 Dk. Blue* | 70 | 85' | 50.5 | 0.67 0.78 |
| | 80 | 88' | 53.5 | 0.66 0.77 |
| | 90 | 90' | 57.4 | 0.68 0.79 |
| | 100 | 92' | 59.5 | 0.68 0.78 |
|  63 Black** | 70 | 90' | 60.6 | 0.72 0.83 |
| | 80 | 92' | 63.2 | 0.72 0.83 |
| | 90 | 94' | 65.9 | 0.72 0.83 |
| | 100 | 96' | 69.4 | 0.72 0.84 |

Note: To ensure optimum nozzle performance, the rotor should be operated in the "Recommended pressure range". The sprinkler will work normally when used in the "Operating pressure range", but nozzle performance may be reduced.

Data represents test results in zero wind. Adjust for local conditions. Performance data are derived from tests that conform to ASAE Standard S398.1. See Hunter Irrigation Products Catalog for complete ASAE Certification Statement.

I-90-ADV Nozzle Performance Data

| Nozzle | Pressure PSI | Radius ft. | Flow GPM | Precip in/hr ■ ▲ |
|--|-----------------|---------------|-------------|---------------------|
|  33 Gray | 60 | 67' | 30.7 | 1.32 1.52 |
| | 70 | 67' | 33.1 | 1.42 1.64 |
| | 80 | 68' | 35.5 | 1.48 1.71 |
| | 90 | 69' | 37.7 | 1.52 1.76 |
| | 100 | 70' | 39.8 | 1.56 1.81 |
|  38 Red | 60 | 69' | 34.0 | 1.37 1.59 |
| | 70 | 70' | 36.9 | 1.45 1.67 |
| | 80 | 72' | 39.8 | 1.48 1.71 |
| | 90 | 73' | 42.3 | 1.53 1.76 |
| | 100 | 75' | 44.1 | 1.51 1.74 |
|  43 Dk. Brown | 60 | 70' | 38.7 | 1.52 1.76 |
| | 70 | 71' | 42.0 | 1.60 1.85 |
| | 80 | 72' | 44.5 | 1.65 1.91 |
| | 90 | 73' | 47.6 | 1.72 1.99 |
| | 100 | 73' | 48.3 | 1.74 2.01 |
|  48 Dk. Green | 70 | 75' | 47.0 | 1.61 1.86 |
| | 80 | 77' | 50.2 | 1.63 1.88 |
| | 90 | 79' | 53.3 | 1.64 1.90 |
| | 100 | 81' | 56.0 | 1.64 1.90 |
|  53 Dk. Blue* | 70 | 79' | 48.5 | 1.50 1.73 |
| | 80 | 81' | 53.4 | 1.57 1.81 |
| | 90 | 85' | 57.0 | 1.52 1.75 |
| | 100 | 86' | 59.5 | 1.55 1.79 |
|  63 Black** | 70 | 84' | 60.9 | 1.66 1.92 |
| | 80 | 86' | 63.8 | 1.66 1.92 |
| | 90 | 88' | 66.5 | 1.65 1.91 |
| | 100 | 90' | 69.8 | 1.66 1.92 |

* Factory-installed nozzle

** Preliminary performance data

Note: All precipitation rates are calculated for 180-degree operation.

For the precipitation rate for a 360-degree sprinkler, divide by 2.

SPECIFICATION GUIDE

EXAMPLE: **I-90 - 36V - 53**

| MODEL | FEATURES | OPTIONS |
|------------------|--------------------|---|
| I-90 = 3" Pop-up | ADV, 36V, ARV, 3RV | XX = Complete Set of Nozzles 33 – 63 = Factory-Installed Nozzle Number B = BSP Thread |

KEY TO FEATURES:

ADV = Adjustable Arc with Check Valve

36V = Full-Circle with Check Valve

ARV = Adjustable Arc, Reclaimed Water, with Check Valve

3RV = Full-Circle, Reclaimed Water, with Check Valve

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