



Full Circle



Adjustable Arc

**W**ith a radius up to 29 meters 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



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**Extra-thick heavy-duty rubber cover**

Helps keep playing surfaces safe

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**6 color-coded primary nozzles**

Truly uniform coverage and fast identification

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**Jar-Top serviceability**

Easy access to screen, gear drive, and valve assemblies

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**Closed case rotor**

Absolute protection from dirt

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**Proven, heavy-duty gear drive**

Enduring reliability

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**Water activated riser seal**

Clean flushing action and positive retraction

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**Heavy-duty stainless steel spring**

Assures positive retraction, time after time

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**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: 7.6 cm
- Female inlet: 1½" NPT or BSP
- Exposed diameter: 8.9 cm
- Overall height: 28 cm

## Operating Specifications

### I-90 36V

- Discharge rate: 6.77 to 15.76 m³/hr, 113 to 263 l/min
- Radius: 21 to 29.3 m
- Recommended pressure range: 4.8 to 6.2 bars; 482 to 620 kPa
- Operating pressure range: 3.4 to 6.9 bars; 344 to 689 kPa

### I-90 ADV

- Discharge rate: 6.97 to 15.85 m³/hr, 116 to 264 l/min
- Radius: 20.4 to 27.4 m
- Recommended pressure range: 4.8 to 6.2 bars; 482 to 620 kPa
- Operating pressure range: 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 30 meters. Plus, its small exposed surface and rubber cover make it the safe choice as well.

### I-90-36V Nozzle Performance Data – Metric

Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m³/hr	Flow l/min	Precip mm/hr	
						■	▲
33 Gray	4.1	413	21.6	6.77	112.8	14	17
	4.8	482	22.6	7.31	121.9	14	17
	5.5	551	23.2	7.81	130.2	15	17
	6.2	620	23.8	8.36	139.3	15	17
	6.9	689	24.4	8.77	146.1	15	17
38 Red	4.1	413	22.6	7.56	126.0	15	17
	4.8	482	23.5	8.20	136.6	15	17
	5.5	551	24.1	8.72	145.3	15	17
	6.2	620	24.4	9.29	154.8	16	18
	6.9	689	25.0	9.72	162.0	16	18
43 Dk. Brown	4.1	413	23.5	8.65	144.2	16	18
	4.8	482	24.1	9.29	154.8	16	19
	5.5	551	25.0	9.97	166.2	16	18
	6.2	620	25.3	10.56	176.0	17	19
	6.9	689	25.6	11.02	183.6	17	19
48 Dk. Green	4.8	482	25.0	10.52	175.2	17	19
	5.5	551	26.2	11.27	187.7	16	19
	6.2	620	27.1	11.92	198.7	16	19
	6.9	689	27.4	12.45	207.4	17	19
	53 Dk. Blue*	4.8	482	25.9	11.47	191.1	17
5.5		551	26.8	12.15	202.5	17	20
6.2		620	27.4	13.04	217.3	17	20
6.9		689	28.0	13.51	225.2	17	20
63 Black**		4.8	482	27.4	13.76	229.4	18
	5.5	551	28.0	14.35	239.2	18	21
	6.2	620	28.6	14.97	249.4	18	21
	6.9	689	29.3	15.76	262.7	18	21

**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 – Metric

Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m³/hr	Flow l/min	Precip mm/hr	
						■	▲
33 Gray	4.1	413	20.4	6.97	116.2	33	39
	4.8	482	20.4	7.52	125.3	36	42
	5.5	551	20.7	8.06	134.4	38	43
	6.2	620	21.0	8.56	142.7	39	45
	6.9	689	21.3	9.04	150.6	40	46
38 Red	4.1	413	21.0	7.72	128.7	35	40
	4.8	482	21.3	8.38	139.7	37	43
	5.5	551	21.9	9.04	150.6	38	43
	6.2	620	22.3	9.61	160.1	39	45
	6.9	689	22.9	10.02	167.0	38	44
43 Dk. Brown	4.1	413	21.3	8.79	146.5	39	45
	4.8	482	21.6	9.54	159.0	41	47
	5.5	551	21.9	10.11	168.4	42	48
	6.2	620	22.3	10.81	180.2	44	50
	6.9	689	22.3	10.97	182.8	44	51
48 Dk. Green	4.8	482	22.9	10.67	177.9	41	47
	5.5	551	23.5	11.40	190.0	41	48
	6.2	620	24.1	12.11	201.7	42	48
	6.9	689	24.7	12.72	212.0	42	48
	53 Dk. Blue*	4.8	482	24.1	11.02	183.6	38
5.5		551	24.7	12.13	202.1	40	46
6.2		620	25.9	12.95	215.7	39	45
6.9		689	26.2	13.51	225.2	39	45
63 Black**		4.8	482	25.6	13.83	230.5	42
	5.5	551	26.2	14.49	241.5	42	49
	6.2	620	26.8	15.10	251.7	42	48
	6.9	689	27.4	15.85	264.2	42	49

\* 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 - B**

MODEL	FEATURES	OPTIONS
I-90 = 7.6 cm 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 with Check Valve

ARV = Adjustable, Reclaimed Water with Check Valve

36V = Full-Circle with Check Valve

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

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