

Hunter®

I-90 Rotary Sprinklers

I-90

**Longest
Distance
Rotary
Sprinkler
for Parks,
Sports Fields
and
Public Areas**



Looking for a sprinkler that provides maximum distance for effective coverage of large areas? Check out the I-90, Hunter's latest innovation that provides a radius of up to 29 meters from a single sprinkler. That's a coverage area no other commercial sprinkler can deliver. The I-90 boasts the power of a golf sprinkler without the cumbersome large body and flange. Its reduced-size diameter and cushioned rubber cover makes it perfect for parks, sports fields, wide-open lawn areas and perimeter watering of athletic fields and horse arenas. The I-90 offers ease of

service, with a "jar top" body cap that allows quick and easy access to the filter screen and check valve. No extra pieces, parts or tools required. The I-90 is offered in two models – a full-circle opposing-nozzle version as well as an adjustable arc model. Both offer color-coded nozzles that can be field-changed to match the specific needs of your site. And, with one of the smallest exposed surface areas in its class that also includes a heavy-duty rubber cover, the I-90 is the one long-throw rotor available that has been specifically designed to keep playing areas safe.

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 check valve

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



I-90-36V Nozzle Performance Data – Metric

Nozzle	Pressure Bars	kPa	Radius m	Flow m ³ /hr	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
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
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
48 Dk. Green	4.1	413	25.0	10.52	175.2	17	19
	4.8	482	26.2	11.27	187.7	16	19
	5.5	551	27.1	11.92	198.7	16	19
	6.2	620	27.4	12.45	207.4	17	19
53 Dk. Blue*	4.8	482	25.9	11.47	191.1	17	20
	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	21
	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

* Factory-installed nozzle
 ** Preliminary performance data
 Note: All precipitation rates are calculated for 360-degree operation.

I-90-ADV Nozzle Performance Data – Metric

Nozzle	Pressure Bars	kPa	Radius m	Flow m ³ /hr	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
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
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
48 Dk. Green	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
53 Dk. Blue*	4.8	482	24.1	11.02	183.6	38	44
	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	49
	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.

Models

- I-90-36V – Full circle
- I-90-ADV – Adjustable arc (40° – 360°)

Model Variations

- I-90-36V – Full-circle, opposing nozzle, with check valve
- I-90-ADV – Adjustable arc, single nozzle, with check valve
- I-90-3RV – Full-circle, opposing nozzle, reclaimed water with check valve
- I-90-ARV – Adjustable arc, triple nozzle, reclaimed water with check valve

Dimensions

- Pop-up height: 7.6 cm
- Female inlet: 1 1/2" NPT or BSP
- Exposed diameter: 8.9 cm
- Overall height: 28 cm

Operating Specifications

I-90-36V

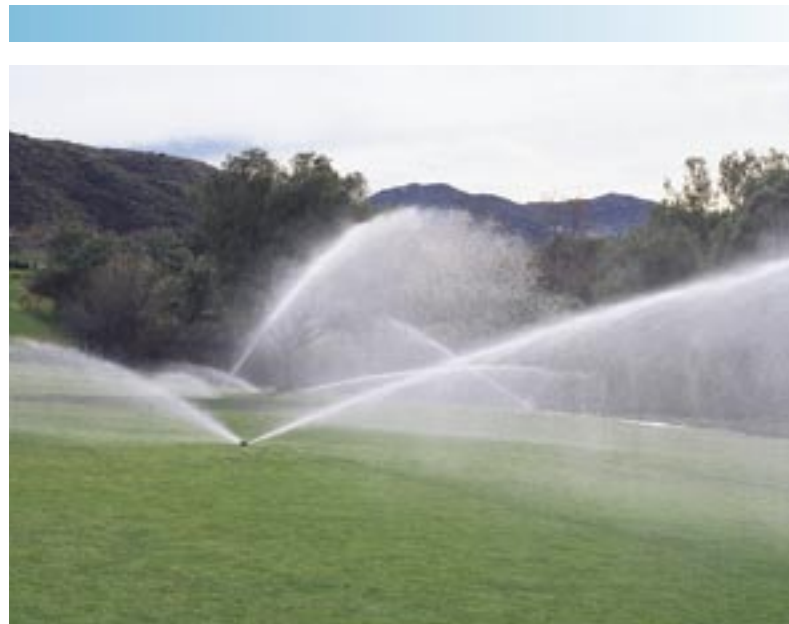
- Discharge rate: 113 to 263 l/min (6.77 to 15.76 m³/hr)
- Radius: 21 to 29.3 m
- Pressure range: 4-7 bars (413 to 690 kPa (60 to 100 psi))

I-90-ADV

- Discharge rate: 116 to 264 l/min (6.97 to 15.85 m³/hr)
- Radius: 20.4 to 27.4 m
- Pressure range: 4 to 7 bars (413 to 690 kPa (60 to 100 psi))

Options Available

- Reclaimed water identification
- Factory-installed nozzles
- BSP threads
- Turf cup kit part #467955



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 27 meters. Plus, its small exposed surface and rubber cover make it the safe choice as well.

SPECIFICATION GUIDE

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

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 with Check Valve ARV = Adjustable, Reclaimed Water with Check Valve
 36V = Full-Circle with Check Valve 3RV = Full-Circle, Reclaimed Water with Check Valve