

Hunter®

The Irrigation Innovators

I-40

The top choice at sports facilities worldwide, a winner for parks and commercial sites as well



With its unparalleled ability to deliver water accurately and efficiently at distances up to 70 feet, our top-of-the-line commercial rotor has become the sprinkler of choice at stadiums, diamonds, practice fields, and other playing surfaces the world over...not to mention, parks, campuses, and commercial sites, too! And why has it become such a favorite? Features, features, features. From the ProTech™

safety system to secondary nozzles that offer exceptional mid-range and close-in coverage, from a stainless steel riser to a heavy-duty retraction spring, from a factory-installed drain check valve with a 15-foot check height to convenient through-the-top arc adjustment...if you've got a lot of turf to take care of, we've got a lot of sprinkler to help you do the job.

Features & Benefits



ProTech™ safety system

Small exposed heavy duty rubber cover and boot keeps playing areas safe

Primary nozzle system: 6 interchangeable nozzles

Uniform coverage with radius from 45 to 70 feet

Dual opposing nozzle full-circle option

Superior coverage for maximum efficiency

Easy arc adjustment (40°– 360°)

Up, down, wet, or dry with through the top convenience

Stainless steel riser and super-strong spring

For long-term positive retraction

Proven water-lubricated gear drive

Time-tested and now improved for even longer life

Patented VStat® self adjusting stator

No stator rings required, drives with more power and adds years to sprinkler life

Drain check valve for up to 15 feet elevation change

Saves water, reduces liability

The ProTech™ Safety System for the Ultimate in Player Protection

When it comes to safety at sport facilities, the less exposed surface area on your rotors, the more safe that playing surface will be. With the ProTech safety system, the revealed portion of our heavy duty rubber cover is the smallest possible size, minimizing the contact with athletic participants or children at play. And, with a rubber boot that surrounds the rubber cover, there are no metal or hard plastic components close to the surface. The entire top of our I-25 Plus and I-40 commercial rotors are both flexible and user friendly.



Models

I-40, I-41* – 4" Heavy-duty rotor

I-42, I-43* – 4" High-speed heavy-duty rotor

I-40-6P, I-41-6P* – 5½" Heavy-duty rotor

I-42-6P, I-43-6P* – 5½" High-speed heavy-duty rotor

* metric model number (bsp threaded nozzle)

Dimensions

- I-40, I-41, I-42, I-43
Overall height: 7⅞" (20 cm)
- I-40-6P, I-41-6P, I-42-6P, I-43-6P
Overall height: 10¼" (26 cm)
- Female inlet: 1" NPT or BSP
- Exposed diameter: 2" (5 cm)

Operating Specifications

- Discharge rate: 7.0 to 28.2 GPM
(1.59 to 6.4 m³/hr; 26.5 to 106.7 l/min)
- Radius for I-40, I-41, I-40-6P, I-41-6P:
45' to 70' (13.7 to 21.3 m)
- Radius for I-40-ON, I-40-6P-ON:
52' to 76' (15.8 to 23.2 m)
- Radius for I-42, I-43, I-42-6P, I-43-6P:
41' to 65' (12.5 to 19.8 m)
- Recommended pressure range: 50 to 80 PSI
(3.4 to 5.5 bars; 344 to 551 kPa)
- Operating pressure range: 40 to 100 PSI
(2.8 to 6.9 bars; 275 to 689 kPa)
- Precipitation rates: approximately
.33" to .48" (8 to 12 mm) per hour
- Nozzle trajectory: 25°

Options Available

- The turf cup kit (part # 460000) for the I-40 or I-42 sprinkler allows the addition of a plug of living sod to the top of the riser. Perfect for areas where an invisible sprinkler is required.
- High-speed version (I-42, I-43, I-42-6P, I-43-6P)
- Dual opposing nozzle (full-circle version)
I-40-36S-ON, I-40-6P-36S-ON
- Reclaimed water cover
- Factory-installed nozzles

SPECIFICATION GUIDE

EXAMPLE: **I-40 - ADS - 43**

MODEL	FEATURES	OPTIONS
I-40, I-41* = 3½" Pop-up	ADS, 36S, ARS, 3RS, 36S-ON, 3RS-ON	XX = Standard Set of 5 Nozzles 40 – 45 = Factory-Installed Nozzle Number (Models ADS, 36S, ARS, 3RS) 15 – 28 = Factory-Installed Nozzle Number (Models 36S-ON, 3RS-ON)
I-42, I-43* = High-Speed	ADS, 36S, ARS, 3RS	
I-40-6P, I-41-6P* = 5½" Pop-up	ADS, 36S, ARS, 3RS, 36S-ON, 3RS-ON	
I-42-6P, I-43-6P* = 5½" Pop-up	ADS, 36S, ARS, 3RS	

KEY TO FEATURES:

ADS = Adjustable Arc, Stainless Steel Riser, with Check Valve

36S = Full-Circle, Stainless Steel Riser, with Check Valve

ARS = Adjustable with Check Valve, Reclaimed Water and Stainless Steel Riser

3RS = Full-Circle, Reclaimed Water, Stainless Steel Riser, with Check Valve

36S-ON = Full-Circle, Dual Opposing Nozzle, Stainless Steel Riser, with Check Valve

3RS-ON = Full-Circle, Dual Opposing Nozzle, Reclaimed Water ID, Stainless Steel Riser, with Check Valve

The Triple Nozzle System: Unsurpassed Coverage



The wind-resistant design of the I-40's triple nozzle system delivers distribution uniformity that is unsurpassed in its class. Six free interchangeable main stream nozzles accurately go the distance up to 70 feet, while two built-in secondary nozzles provide complete mid-range and close-in coverage. The result is that test after test, year after year, at facilities the world over, no other sprinkler can deliver the level of performance like Hunter's top-of-the-line rotor. For maximum water efficiency—and no brown spots—three nozzles makes this one rotor too good.

I-42: When Speed is the Need

For quick, light wet-downs of clay tennis courts, baseball infields, any areas that require dust control, or normal turf applications, Hunter offers the I-42. This high-speed version of the I-40 cuts rotation time from three minutes down to one.



I-40 Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
40	40	45'	7.0	0.67
	50	46'	8.0	0.73
	60	46'	8.5	0.77
41	50	50'	10.2	0.79
	60	51'	11.1	0.82
	70	52'	12.1	0.86
42	80	53'	13.0	0.89
	50	51'	11.0	0.81
	60	53'	12.3	0.84
43	70	55'	13.1	0.83
	80	56'	13.9	0.85
44	50	56'	13.5	0.83
	60	57'	15.1	0.89
	70	59'	16.1	0.89
45	80	61'	17.5	0.91
	60	63'	20.0	0.97
	70	65'	21.8	0.99
46	80	66'	23.4	1.03
	90	67'	24.9	1.07
47	60	66'	22.7	1.00
	70	68'	24.7	1.03
	80	69'	26.4	1.07
48	90	70'	28.2	1.11

I-42 Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
40	40	41'	7.0	0.80
	50	42'	8.0	0.87
	60	42'	8.5	0.93
41	50	44'	10.2	1.01
	60	44'	11.1	1.10
	70	45'	12.1	1.15
42	80	46'	13.0	1.18
	50	46'	11.0	1.00
	60	47'	12.3	1.07
43	70	49'	13.1	1.05
	80	50'	13.9	1.07
44	50	51'	13.5	1.00
	60	52'	15.1	1.07
	70	52'	16.1	1.15
45	80	53'	17.5	1.20
	60	58'	20.0	1.14
	70	58'	21.8	1.25
46	80	60'	23.4	1.25
	90	60'	24.9	1.33
47	60	60'	22.7	1.21
	70	62'	24.7	1.24
	80	64'	26.4	1.24
48	90	65'	28.2	1.28

Note: All precipitation rates are calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.



I-40 Dual Opposing Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
15 Gray	50	52'	13.0	0.46
	60	54'	13.2	0.44
	70	56'	14.4	0.44
18 Red	80	57'	15.5	0.46
	50	58'	13.7	0.39
	60	59'	15.2	0.42
20 Dk. Brown	70	60'	16.6	0.44
	80	62'	17.8	0.45
23 Dk. Green	60	63'	19.1	0.46
	70	64'	20.9	0.49
	80	66'	22.3	0.49
25 Dk. Blue*	90	66'	23.9	0.53
	60	65'	20.4	0.46
	70	66'	22.3	0.49
28 Black	80	67'	24.0	0.51
	90	68'	25.6	0.53
	60	66'	22.0	0.49
29	70	68'	24.0	0.50
	80	69'	25.9	0.52
	90	70'	27.2	0.53
30	70	70'	28.9	0.57
	80	72'	30.9	0.57
	90	74'	32.9	0.58
31	100	76'	33.7	0.56

* Factory-installed nozzle

Note: All precipitation rates calculated for 360 degree operation.

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