

# Hunter®

## I-31 Plus Rotary Sprinklers

### I-31 Plus

**The Ideal  
Choice for  
Commercial &  
Recreational  
Sites**



Choosing a rotor for commercial or recreational sites? Looking for one that combines great price and great performance? You'll find that the popular choice is also the best choice. The Hunter I-31 *Plus* has become a favorite because of its incredible combination of features. Like a ribbed body and cap for better grip. An extra-thick heavy-duty rubber cover. The industry's smallest exposed surface area in its category. A dozen nozzles that each provide optimum performance in both

primary and secondary coverage. The patented VStat® self-adjusting stator. Compact, extra-beefy construction. Plus, an optional stainless steel riser for even more toughness. You can plainly see that this is a rotor that has plenty to offer, but it also offers it at quite an attractive price. No wonder it's the pick of so many people for so many jobs. For durability, for performance, for economy – for your medium to large area needs – no other rotor brings it all together like the Hunter I-31 *Plus*.

#### FEATURES & BENEFITS



##### **ProTech™ safety system**

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

##### **12 color coded nozzles**

Outstanding flexibility, identification and distribution uniformity

##### **Optional stainless steel riser**

Long life in harsh conditions

##### **Heavy duty ribbed cap and body**

Stands up to heavy traffic, easy servicing

##### **Proven 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 3 meters elevation change**

Saves water, reduces liability



#### *Model I-31 Quick Spec*

- Proven adjustable arc (40° to 360°)
- Full circle model available
- 9 cm pop-up height
- Heavy duty rubber cover
- Very small exposed diameter
- 12 Super-efficient nozzles
- Ultra-durable cap & body
- Variable stator convenience

#### *Options*

- Stainless steel riser
- Reclaimed water identifier
- High-Speed model



## Dimensions

- Pop-up height: 9 cm
- Overall height: 20 cm
- Exposed diameter: 4.8 cm
- Female inlet: 1" BSP

## Warranty

- 5-year exchange, not prorated

## Operating Specifications

- Discharge rate: 0.86 to 7.16 m<sup>3</sup>/hr; (14.4 to 119.2 l/min)
- Radius for I-31: 12.2 to 22.3 m
- Radius for I-31HS: 11.3 to 20.4 m
- Pressure range: 2.8 to 6.9 bars; (275 to 689 kPa)
- Nozzle trajectory: 25°

## Distribution uniformity beyond compare

Two distinct nozzles, each with its own particular function. One color-coded single unit, making it simple to replace both of these nozzles with one single action. With every I-31 Plus nozzle, you'll find the distribution uniformity is unsurpassed, meaning no other rotor in its class delivers water more effectively.



I-31 Plus Nozzle Performance Data – Metric							
Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m <sup>3</sup> /hr	Flow l/min	Precip mm/hr	
4 Yellow	2.8	275	12.2	0.86	14.4	12	13
	3.4	344	12.5	0.98	16.3	13	14
	4.1	413	12.8	1.07	17.8	13	15
	4.8	482	13.1	1.16	19.3	13	16
5 White	2.8	275	13.1	1.00	16.7	12	13
	3.4	344	13.4	1.09	18.2	12	14
	4.1	413	13.7	1.20	20.1	13	15
	4.8	482	14.0	1.27	21.2	13	15
7 Orange*	2.8	275	13.7	1.50	25.0	16	18
	3.4	344	14.3	1.59	26.5	15	18
	4.1	413	14.6	1.70	28.4	16	18
	4.8	482	14.9	1.79	29.9	16	19
8 Lt. Brown	2.8	275	14.3	1.75	29.1	17	20
	3.4	344	14.9	1.89	31.4	17	20
	4.1	413	15.2	2.09	34.8	18	21
	4.8	482	15.5	2.25	37.5	19	21
10 Lt. Green*	3.4	344	16.2	2.48	41.3	19	22
	4.1	413	16.5	2.73	45.4	20	23
	4.8	482	16.8	2.98	49.6	21	24
	5.5	551	17.1	3.25	54.1	22	26
13 Lt. Blue	3.4	344	16.8	2.54	42.4	18	21
	4.1	413	17.1	2.79	46.6	19	22
	4.8	482	17.4	3.02	50.3	20	23
	5.5	551	17.4	3.25	54.1	22	25
15 Gray*	3.4	344	17.7	3.04	50.7	19	22
	4.1	413	18.0	3.25	54.1	20	23
	4.8	482	18.0	3.45	57.5	21	25
	5.5	551	18.3	3.73	62.1	22	26
18 Red	3.4	344	18.3	3.29	54.9	20	23
	4.1	413	18.6	3.57	59.4	21	24
	4.8	482	18.9	3.84	64.0	21	25
	5.5	551	19.2	4.13	68.9	22	26
20 Dk. Brown*	4.1	413	18.9	4.04	67.4	23	26
	4.8	482	19.2	4.36	72.7	24	27
	5.5	551	19.5	4.66	77.6	24	28
	6.2	620	19.8	4.95	82.5	25	29
23 Dk. Green	4.1	413	19.5	4.97	82.9	26	30
	4.8	482	19.8	5.36	89.3	27	32
	5.5	551	20.1	5.82	96.9	29	33
	6.2	620	20.4	6.13	102.2	29	34
25 Dk. Blue*	4.1	413	21.3	5.82	96.9	26	29
	4.8	482	21.6	5.95	99.2	25	29
	5.5	551	21.6	6.36	106.0	27	31
	6.2	620	21.9	6.77	112.8	28	32
28 Black	4.8	482	21.6	6.11	101.8	26	30
	5.5	551	21.9	6.52	108.6	27	31
	6.2	620	22.3	6.95	115.8	28	32
	6.9	689	22.3	7.16	119.2	29	33

I-31 Plus High Speed Nozzle Performance Data – Metric							
Nozzle	Pressure Bars	Pressure kPa	Radius m	Flow m <sup>3</sup> /hr	Flow l/min	Precip mm/hr	
4 Yellow	2.8	275	11.3	0.86	14.4	14	16
	3.4	344	11.6	0.98	16.3	15	17
	4.1	413	11.6	1.07	17.8	16	18
	4.8	482	11.9	1.18	19.7	17	19
5 White	2.8	275	11.6	1.00	16.7	15	17
	3.4	344	11.9	1.09	18.2	15	18
	4.1	413	12.2	1.25	20.8	17	19
	4.8	482	12.5	1.36	22.7	17	20
7 Orange*	2.8	275	12.2	1.39	23.1	19	22
	3.4	344	12.5	1.57	26.1	20	23
	4.1	413	12.8	1.70	28.4	21	24
	4.8	482	13.4	1.84	30.7	20	24
8 Lt. Brown	2.8	275	12.8	1.64	27.3	20	23
	3.4	344	13.1	1.84	30.7	21	25
	4.1	413	13.4	2.02	33.7	22	26
	4.8	482	13.7	2.23	37.1	24	27
10 Lt. Green*	3.4	344	14.0	2.41	40.1	24	28
	4.1	413	14.6	2.66	44.3	25	29
	4.8	482	14.9	2.88	48.1	26	30
	5.5	551	15.2	3.09	51.5	27	31
13 Lt. Blue	3.4	344	14.6	2.59	43.2	24	28
	4.1	413	14.9	2.86	47.7	26	30
	4.8	482	15.5	3.11	51.9	26	30
	5.5	551	15.5	3.36	56.0	28	32
15 Gray*	3.4	344	14.9	3.02	50.3	27	31
	4.1	413	15.5	3.32	55.3	27	32
	4.8	482	16.2	3.61	60.2	28	32
	5.5	551	16.5	3.86	64.4	29	33
18 Red	3.4	344	15.2	3.27	54.5	28	33
	4.1	413	16.2	3.61	60.2	28	32
	4.8	482	16.8	3.93	65.5	28	32
	5.5	551	17.4	4.23	70.4	28	32
20 Dk. Brown*	4.1	413	16.2	4.20	70.0	32	37
	4.8	482	17.1	4.52	75.3	31	36
	5.5	551	17.7	4.88	81.4	31	36
	6.2	620	18.0	5.16	85.9	32	37
23 Dk. Green	4.1	413	17.1	4.77	79.5	33	38
	4.8	482	17.7	5.20	86.7	33	38
	5.5	551	18.3	5.57	92.7	33	38
	6.2	620	18.6	5.93	98.8	34	40
25 Dk. Blue*	4.1	413	17.7	5.50	91.6	35	41
	4.8	482	18.9	5.95	99.2	33	38
	5.5	551	19.5	6.43	107.1	34	39
	6.2	620	20.1	6.79	113.2	34	39
28 Black	4.8	482	18.3	6.27	104.5	37	43
	5.5	551	18.9	6.68	111.3	37	43
	6.2	620	19.8	7.09	118.1	36	42
	6.9	689	20.4	7.25	120.8	35	40

## VStat®: A stator that's state-of-the-art

There are no stator rings required with the new VStat® constant speed, self-adjusting stator. This remarkable patented innovation, provides up to twice the driving force to the gear drive while adding years to the life of the product, and you'll no longer have to disassemble the sprinkler to install "the right ring."



## When speed is the need

For quick, light wetdowns of sports fields or any areas that require dust control, Hunter offers a high-speed version of the I-31 Plus that cuts rotation time from three minutes down to one.



\* 5 standard nozzles included with each sprinkler. Data represent test results in zero wind. Adjust for local conditions. Radius may be reduced up to 25% with nozzle retaining screw. (This may alter the uniformity of the spray pattern.) Performance data are derived from tests that conform to ASAE Standard S398.1. See Hunter Irrigation Products Catalog for complete ASAE Certification Statement. 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-31 - ADS - 25**

MODEL	FEATURES	OPTIONS
I-31 = 9 cm	ADV, 36V, ADS, 36S, ARV, 3RV, ARS, 36SHS, 3RS ADSHS,	XX = Includes standard set of nozzles 4 - 28 = Factory-installed nozzle number

### KEY TO FEATURES:

- ADV = Adjustable with Check Valve
- 36V = Full-Circle with Check Valve
- ADS = Adjustable with Check Valve and Stainless Steel Riser
- 36S = Full-Circle with Check Valve and Stainless Steel Riser
- ARV = Adjustable, Reclaimed Water, with Check Valve
- 3RV = Full-Circle, Reclaimed Water, with Check Valve

- ARS = Adjustable, Reclaimed Water and Stainless Steel Riser
- 3RS = Full-Circle, Reclaimed Water and Stainless Steel Riser
- ADSHS = ADS High-Speed Version
- 36SHS = 36S High-Speed Version