ROTORS

I-50

The high-torque I-50 rotor is engineered to thrive in difficult water-quality conditions within large turf projects.

Radius: **44' to 76'**
Flow: **7.6 to 33.7 GPM**
Inlet Size: **1" NPT**

Key Benefits

- Extra-strong, non-strippable, planetary gear drive mechanism is reliable and durable in harsh water conditions
- Color-coded nozzles make identification easy
- Stainless steel riser for extra durability
- Drain check valve prevents low-head drainage (up to 15' of elevation)
- Tool-free, part- and full-circle arc adjustment mechanism makes fast, easy installation and reduces inventory (50° to 360°)
- QuickCheck™ arc mechanism for fast arc adjustment
- Available opposing nozzle model for even watering in full-circle applications (I-50-ON model)

Operating Specifications

- Nozzle choices: 12
- Radius I-50-ON: 52' to 76'
- Flow I-50-ON: 13.0 to 33.7 GPM
- Operating pressure range: 40 to 100 PSI
- Nozzle trajectory: standard = 25°
- Radius I-50: 44' to 69'
- Flow I-50: 7.6 to 29.5 GPM
- Recommended pressure range: 40 to 100 PSI
- Precipitation rate: 0.4 in/hr approximately
- Warranty period: 5 years

Factory-Installed Options

- Reclaimed water ID

User-Installed Options

- HSJ-1 prefabricated 1" PVC swing joint

I-50-06-SS
Pop-up Height: 6"
Overall Height: 10¼"
Exposed Diameter: 2"
Inlet Size: 1"

I-50-06-SS-ON
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I-50 Turf Cup Kit Option
Available as a field-installed option on all models P/N TURFCUPKITI40

User-Installed Options

Model	Description
TURFCUPKITI40	I-50 Turf Cup Kit

I-50 - SPECIFICATION BUILDER

1 Model	2 Standard Features	3 Feature Options	4 Nozzle Options
I-50-06-SS 6" pop-up	Adjustable arc, stainless steel riser, check valve, and 6 nozzles	**(blank)** No option	8
			10
		R Reclaimed water ID	13
			15
			23
			25

I-50 NOZZLE PERFORMANCE DATA

Nozzle	Pressure	Radius	Flow	Precip in/hr	
	PSI	ft	GPM	■	▲
8 • Lt. Brown	40	44	7.6	0.76	0.87
	50	45	8.4	0.80	0.92
	60	46	9.2	0.84	0.97
10 ● Lt. Green	50	49	10.3	0.83	0.95
	60	50	11.3	0.87	1.00
	70	51	12.2	0.90	1.04
	80	51	13.0	0.96	1.11
13 • Lt. Blue	50	50	11.1	0.85	0.99
	60	51	12.3	0.91	1.05
	70	52	13.3	0.95	1.09
	80	53	14.2	0.97	1.12
15 ● Grey	50	54	13.8	0.91	1.05
	60	55	15.7	1.00	1.15
	70	57	16.6	0.98	1.14
	80	59	18.3	1.01	1.17
23 ● Dk. Green	60	62	21.3	1.07	1.23
	70	64	23.0	1.08	1.25
	80	65	24.5	1.12	1.29
	90	66	25.9	1.14	1.32
25 ● Dk. Blue	60	66	23.9	1.06	1.22
	70	67	25.8	1.11	1.28
	80	68	27.7	1.15	1.33
	90	69	29.5	1.19	1.38

I-50 DUAL OPPOSING NOZZLE PERFORMANCE DATA

Nozzle	Pressure	Radius	Flow	Precip in/hr	
	PSI	ft	GPM	■	▲
15 ● Grey	50	52	13.0	0.46	0.53
	60	54	13.2	0.44	0.50
	70	56	14.4	0.44	0.51
	80	57	15.5	0.46	0.53
18 ● Red	50	58	13.7	0.39	0.45
	60	59	15.2	0.42	0.49
	70	60	16.6	0.44	0.51
	80	62	17.8	0.45	0.51
20 • Dk. Brown	60	63	19.1	0.46	0.53
	70	64	20.9	0.49	0.57
	80	66	22.3	0.49	0.57
	90	66	23.9	0.53	0.61
23 ● Dk. Green	60	65	20.4	0.46	0.54
	70	66	22.3	0.49	0.57
	80	67	24.0	0.51	0.59
	90	68	25.6	0.53	0.62
25 ● Dk. Blue	60	66	22.0	0.49	0.56
	70	68	24.0	0.50	0.58
	80	69	25.9	0.52	0.60
	90	70	27.2	0.53	0.62
28 ● Black	70	70	28.9	0.57	0.66
	80	72	30.9	0.57	0.66
	90	74	32.9	0.58	0.67
	100	76	33.7	0.56	0.65