

I-40

The I-40® rotor has a comprehensive list of upgraded features that make it the top choice for demanding, large turf projects.

KEY BENEFITS

- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalized; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Color-coded nozzles make identification easy
- Available opposing nozzle model for even watering in full-circle applications (I-40-ON model)
- Drain Check Valve prevents low-head drainage (up to 15' of elevation)



Operating Specifications

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

Factory-Installed Options

- Reclaimed water ID
- High-speed rotation

User-Installed Options

- HSJ-1 prefabricated 1" PVC Swing Joint

I-40 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

Notes:

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

I-40 HIGH SPEED NOZZLE PERFORMANCE DATA

Nozzle	Pressure	Radius	Flow	Precip in/hr	
	PSI	ft	GPM	■	▲
8 ° Lt. Brown	40	41	7.6	0.87	1.00
	50	41	8.4	0.96	1.11
	60	42	9.2	1.00	1.16
10 ° Lt. Green	50	45	10.3	0.98	1.13
	60	46	11.3	1.03	1.19
	70	47	12.2	1.06	1.23
	80	47	13.0	1.13	1.31
13 ° Lt. Blue	50	46	11.1	1.01	1.17
	60	47	12.3	1.07	1.24
	70	53	16.6	1.14	1.31
	80	54	18.3	1.21	1.40
15 ° Grey	50	51	13.5	1.02	1.18
	60	52	15.7	1.12	1.29
	70	53	16.6	1.14	1.31
	80	54	18.3	1.21	1.40
23 ° Dk. Green	60	58	21.3	1.22	1.41
	70	59	23.0	1.27	1.47
	80	60	24.5	1.31	1.51
	90	61	25.9	1.34	1.55
25 ° Dk. Blue	60	59	23.9	1.32	1.53
	70	61	25.8	1.33	1.54
	80	62	27.7	1.39	1.60
	90	63	28.5	1.43	1.65

Notes:
All precipitation rates 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	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

Notes:

Precipitation rates for the ON-Opposing Nozzle model are calculated at 360 degrees.

I-40 HIGH-SPEED DUAL OPPOSING NOZZLE PERFORMANCE DATA					
Nozzle	Pressure	Radius	Flow	Precip in/hr	
	PSI	ft	GPM	■	▲
15 • Grey	50	46	13.0	0.59	0.68
	60	47	13.2	0.58	0.66
	70	49	14.4	0.58	0.67
	80	50	15.5	0.60	0.69
18 • Red	50	49	13.7	0.55	0.63
	60	50	15.2	0.59	0.68
	70	51	16.6	0.61	0.71
	80	52	17.8	0.63	0.73
20 • Dk. Brown	60	52	19.1	0.68	0.79
	70	53	20.9	0.72	0.83
	80	54	22.3	0.74	0.85
	90	55	23.9	0.77	0.89
23 • Dk. Green	60	54	20.4	0.68	0.79
	70	55	22.3	0.70	0.81
	80	56	24.0	0.74	0.85
	90	57	25.6	0.76	0.88
25 • Dk. Blue	60	55	22.0	0.70	0.81
	70	56	24.0	0.74	0.85
	80	57	25.9	0.76	0.88
	90	58	27.2	0.78	0.90
28 • Black	70	58	28.9	0.83	0.95
	80	59	30.9	0.85	0.99
	90	60	32.9	0.89	1.03
	100	61	33.7	0.86	1.00
Notes: Precipitation rates for the ON-Opposing Nozzle model are calculated at 360 degrees.					

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