

INSTALLATION INSTRUCTIONS

I-50 GEAR-DRIVEN ROTORS

Hunter®

Correct Installation

I-50 adjustable arc rotors should be installed flush at ground level (see Fig. 1).

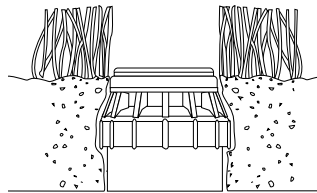


Fig. 1

I-50 Arc Adjustments

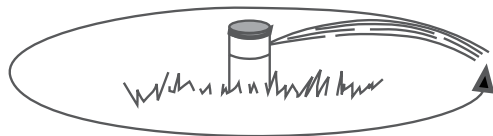
Adjustments (not for "ON" opposing-nozzle models)

All I-50 adjustable arc rotors are preset to approximately 180°. Sprinklers can be adjusted with water on or off.

- 1 Use your hand to rotate the nozzle turret counterclockwise to the left stop to complete any interrupted rotation cycle.
- 2 Next, rotate the nozzle turret clockwise to the right stop. This is the fixed side of the arc. The nozzle turret must be held in this position for all arc adjustments.

To Increase Arc

- 1 While holding the nozzle turret at the right stop, turn the arc adjustment ring counterclockwise to increase the arc.
- 2 Adjust to any arc between 50° and 360°. The arc adjustment will stop turning when the maximum arc (360°) is reached. When set to 360°, the sprinkler will rotate continually counterclockwise at a rate of approximately 3 minutes per rotation (see Fig. 2).



Full-Circle Rotation Speed
I-50 = 3 minutes (approx.)

Fig. 2

To Decrease Arc

- 1 If the arc is set to less than 360°, hold the nozzle turret at the right stop and turn the arc adjustment ring clockwise to decrease the arc.
- 2 Adjust to any arc between 50° and 360°. The arc adjustment ring will stop turning when the minimum arc (50°) is reached.

Radius Adjustment

Insert the hex end of the Hunter wrench into the nozzle-retainer/range-adjustment screw (see Fig. 3). Turn the screw clockwise into the stream of water to decrease the radius, or counterclockwise to increase the radius.

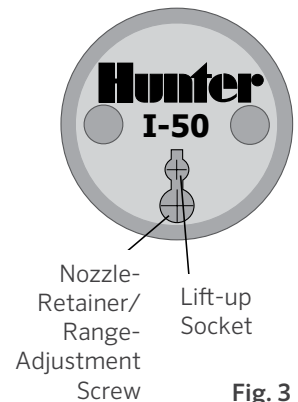


Fig. 3

Precipitation Rate Adjustment

Where excessively wet or dry areas are a problem, the precipitation rate may be adjusted. Simply replace the existing nozzle with a larger one to increase or a smaller one to decrease the rate of precipitation.

Nozzle Installation

- 1 Insert the key end of the Hunter wrench into the lift-up socket of a pop-up sprinkler. Pull the riser up to gain access to the nozzle socket.
- 2 Using the Hunter wrench, loosen the nozzle-retainer/range-adjustment screw. If a nozzle is already installed in the sprinkler, it may now be removed by briefly turning on the water.
- 3 Discard nozzle if removed with pliers. Slip the desired nozzle into the nozzle socket. Note that the socket is angled up 25° (see Fig. 4). Tighten the nozzle-retainer/range-adjustment screw.

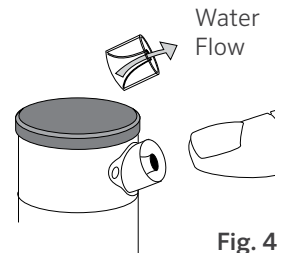


Fig. 4

INSTALLATION INSTRUCTIONS

I-50 GEAR-DRIVEN ROTORS

I-50 Nozzle Performance Data

Nozzle	Pressure		Flow GPM	Precip in/hr	
	PSI	Radius ft.		■	▲
8 Lt. Brown	40	44'	7.6	0.76	.87
	50	45'	8.4	0.80	.92
	60	46'	9.2	0.84	.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	.99
	60	51'	12.3	0.91	1.05
	70	52'	13.3	0.95	1.08
	80	53'	14.2	0.97	1.12
15 Gray	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 Nozzle Performance Data - Metric

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bar	kPa		m ³ /hr	l/min	■	▲
8 Lt. Brown	2.5	250	13.1	1.63	27.2	19	22
	3.0	300	13.4	1.80	30.0	20	23
	3.5	350	13.7	1.94	32.3	21	24
	4.0	400	14.0	2.06	34.4	21	24
	4.5	450	14.0	2.18	36.3	22	26
	5.0	500	14.3	2.29	38.2	22	26
10 Lt. Green	3.0	300	14.6	2.20	36.6	21	24
	3.5	350	14.9	2.37	39.4	21	24
	4.0	400	15.2	2.52	42.0	22	25
	4.5	450	15.5	2.67	44.5	22	25
	5.0	500	15.5	2.81	46.8	23	27
	5.5	550	15.8	2.96	49.3	24	27
13 Lt. Blue	3.0	300	14.9	2.36	39.4	21	24
	3.5	350	15.2	2.55	42.6	22	25
	4.0	400	15.5	2.73	45.5	23	26
	4.5	450	15.5	2.90	48.3	24	28
	5.0	500	15.8	3.06	51.0	24	28
	5.5	550	16.2	3.23	53.9	25	29
15 Gray	3.0	300	16.2	2.93	48.8	22	26
	3.5	350	16.5	3.19	53.2	24	27
	4.0	400	16.8	3.44	57.3	24	28
	4.5	450	17.1	3.67	61.2	25	29
	5.0	500	17.4	3.89	64.9	26	30
	5.5	550	18.0	4.14	68.9	26	30
23 Dk. Green	4.0	400	18.9	4.76	79.4	27	31
	4.5	450	19.2	5.03	83.9	27	32
	5.0	500	19.5	5.29	88.1	28	32
	5.5	550	19.8	5.56	92.7	28	33
	6.0	600	20.1	5.79	96.5	29	33
	6.5	650	20.1	6.01	100.2	30	34
25 Dk. Blue	4.0	400	20.1	5.33	88.7	26	30
	4.5	450	20.4	5.65	94.2	27	31
	5.0	500	20.7	5.96	99.3	28	32
	5.5	550	21.0	6.29	104.9	28	33
	6.0	600	21.0	6.57	109.6	30	34
	6.5	650	21.3	6.84	114.1	30	35

I-50 Dual Opposing Nozzle Performance Data

Nozzle	Pressure		Flow GPM	Precip in/hr	
	PSI	Radius ft.		■	▲
15 Gray	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

I-50 Dual Opposing Nozzle Performance Data - Metric

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bar	kPa		m ³ /hr	l/min	■	▲
15 Gray	3.0	300	15.2	2.75	45.8	12	14
	3.5	350	15.8	2.91	48.5	12	13
	4.0	400	16.2	3.06	51.0	12	14
	4.5	450	16.8	3.20	53.3	11	13
	5.0	500	17.1	3.32	55.4	11	13
	5.5	550	17.4	3.46	57.7	11	13
18 Red	3.0	300	17.4	2.90	48.3	10	11
	3.5	350	17.7	3.15	52.5	10	12
	4.0	400	18.0	3.38	56.4	10	12
	4.5	450	18.0	3.61	60.1	11	13
	5.0	500	18.3	3.82	63.7	11	13
	5.5	550	18.9	4.05	67.5	11	13
20 Dk. Brown	4.0	400	18.9	4.26	71.1	12	14
	4.5	450	19.2	4.54	75.6	12	14
	5.0	500	19.5	4.80	80.0	13	15
	5.5	550	20.1	5.08	84.7	13	15
	6.0	600	19.8	5.32	88.7	14	16
	6.5	650	20.1	5.55	92.5	14	16
23 Dk. Green	4.0	400	19.5	4.55	75.8	12	14
	4.5	450	19.8	4.85	80.8	12	14
	5.0	500	20.1	5.14	85.6	13	15
	5.5	550	20.4	5.45	90.8	13	15
	6.0	600	20.7	5.71	95.1	13	15
	6.5	650	20.7	5.96	99.4	14	16
25 Dk. Blue	4.0	400	20.1	4.92	82.1	12	14
	4.5	450	20.4	5.23	87.2	13	14
	5.0	500	20.7	5.52	92.0	13	15
	5.5	550	21.0	5.84	97.3	13	15
	6.0	600	21.3	6.10	101.7	13	15
	6.5	650	21.3	6.36	106.0	14	16
28 Black	4.5	448	21.0	6.38	106.4	14	17
	5.0	496	21.3	6.68	111.3	15	17
	5.5	552	21.9	7.00	116.7	15	17
	6.0	600	22.3	7.27	121.1	15	17
	6.5	648	22.6	7.52	125.3	15	17
	7.0	696	23.2	7.76	129.4	14	17

Note: All precipitation rates are calculated for 180° operation. For the precipitation rate for a 360° sprinkler, divide by 2. Precipitation rates for the ON model are calculated at 360°.