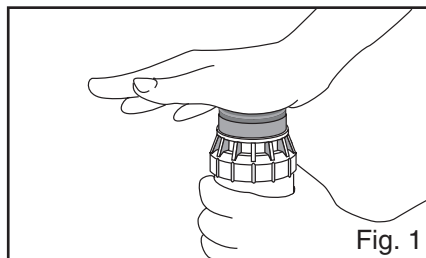


ARC ADJUSTMENTS (NON-OPPOSING NOZZLE MODEL)

All I-35 group adjustable heads are preset to approximately 180°. Sprinklers may be adjusted with water on or off. It is recommended that initial adjustment be made before installation.

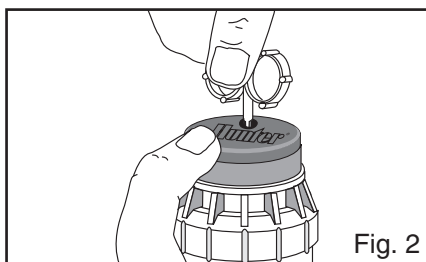
1. Using the palm of your hand, rotate the nozzle turret counterclockwise to left stop to complete any interrupted rotation cycle (Fig. 1).



2. Rotate the nozzle turret clockwise to 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. Insert the key end of the Hunter wrench into the adjustment socket (Figs. 2 & 3).
2. While holding the nozzle turret at the right stop, turn the wrench clockwise. Each 360° turn of the wrench increases the arc 45°.



3. Adjust to any arc between 50° and 360°.
4. Wrench will stop turning, or there will be a ratcheting noise, when the maximum arc (360°) is reached.
5. **When set to 360°, the sprinkler will rotate continually counterclockwise.**

To Decrease Arc

1. Insert the key end of the Hunter wrench into the adjustment socket (Figs. 2 & 3).
2. While holding the nozzle turret at the right stop, turn the wrench counterclockwise. Each 360° turn of the wrench decreases the arc 45°.
3. Adjust to any arc between 50° and 360°.
4. Wrench will stop turning, or there will be a ratcheting noise, when the minimum arc (50°) is reached.

Radius Adjustment

Insert the hex end of the Hunter wrench into the nozzle-retainer/range-adjustment screw (Figs. 2 & 3). Turn the screw clockwise

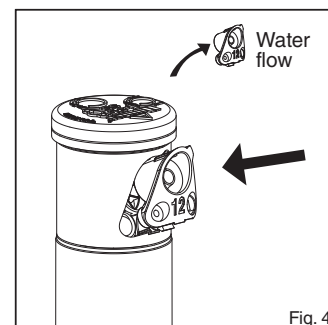
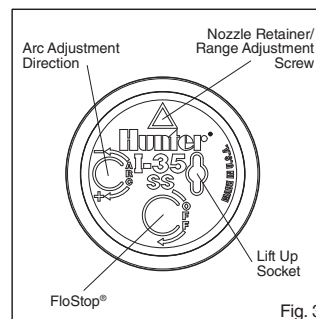
into the stream of water to decrease the radius, or counterclockwise to increase the radius.

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 lifting 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.

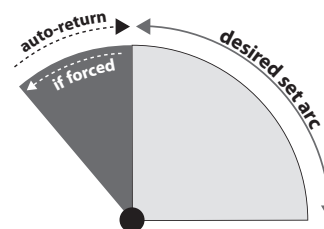


NON-STRIPPABLE BACKDRIVE

This Ultra sprinkler is designed with an internal device that prevents damage to the internal gear drive if it should be turned by vandals. This important feature works when the nozzle turret is turning in either direction. This makes the sprinkler very durable in all applications.

AUTO ARC RETURN

This Ultra sprinkler is designed with an internal device that re-aligns the arc if it is turned by vandals. This important feature works when the nozzle turret is turning in either direction. When forced outside of the originally set arc, the sprinkler takes the shortest path back to the pattern without going completely around. This saves the non-irrigated areas from getting wet! Always a good thing!



I-35 Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■ ▲	
 9 Lt. Brown	40	47'	7.7	0.67	0.77
	50	49'	8.3	0.67	0.77
	60	50'	9.2	0.71	0.82
	70	50'	9.9	0.73	0.85
 12 Lt. Blue	50	53'	11.2	0.77	0.89
	60	54'	12.3	0.81	0.94
	70	55'	13.3	0.85	0.98
	80	55'	14.3	0.91	1.05
 15 Gray	50	56'	13.4	0.82	0.95
	60	57'	14.3	0.85	0.98
	70	57'	15.2	0.90	1.04
	80	58'	16.4	0.94	1.08
 18 Red	50	58'	14.5	0.83	0.96
	60	59'	15.7	0.87	1.00
	70	62'	16.9	0.85	0.98
	80	63'	18.2	0.88	1.02
 21 Dk. Brown	60	62'	17.8	0.89	1.03
	70	63'	19.2	0.93	1.08
	80	64'	20.5	0.96	1.11
	90	65'	21.8	0.99	1.15
 24 Dk. Green	60	64'	21.9	1.03	1.19
	70	65'	23.6	1.08	1.24
	80	66'	25.6	1.13	1.31
	90	67'	27.0	1.16	1.34
 27 Dk. Blue	60	66'	23.5	1.04	1.20
	70	68'	25.5	1.06	1.23
	80	69'	28.0	1.13	1.31
	90	70'	29.5	1.16	1.34
 30 Black	70	68'	26.9	1.12	1.29
	80	70'	28.7	1.13	1.30
	90	71'	30.6	1.17	1.35
	100	71'	31.5	1.20	1.39

I-35 Nozzle Performance Data – Metric

Nozzle	Pressure Bars kPa	Radius m	Flow m³/hr l/min	Precip mm/hr ■ ▲	
 9 Lt. Brown	2.5	250	14.0	1.65	27.5
	3.0	300	14.3	1.81	30.1
	3.5	350	14.9	1.94	32.3
	4.0	400	15.2	2.05	34.2
	4.5	450	15.2	2.16	36.0
 12 Lt. Blue	5.0	500	15.5	2.27	37.8
	3.0	300	15.8	2.38	39.6
	3.5	350	16.2	2.57	42.8
	4.0	400	16.5	2.75	45.7
	4.5	450	16.5	2.91	48.5
 15 Gray	5.0	500	16.8	3.07	51.2
	5.5	550	16.8	3.24	54.0
	3.0	300	16.8	2.86	47.7
	3.5	350	17.1	3.05	50.8
	4.0	400	17.4	3.22	53.7
 18 Red	4.5	450	17.4	3.38	56.3
	5.0	500	17.4	3.53	58.8
	5.5	550	17.7	3.69	61.5
	3.0	300	17.7	3.08	51.4
	3.5	350	17.7	3.31	55.2
 21 Dk. Brown	4.0	400	18.0	3.52	58.7
	4.5	450	18.3	3.72	62.0
	5.0	500	18.9	3.91	65.2
	5.5	550	19.2	4.11	68.5
	4.0	400	18.6	3.97	66.2
 24 Dk. Green	4.5	450	18.9	4.20	70.1
	5.0	500	19.2	4.42	73.7
	5.5	550	19.5	4.66	77.7
	6.0	600	19.8	4.86	81.0
	6.5	650	20.1	5.05	84.2
 27 Dk. Blue	4.0	400	19.2	4.88	81.3
	4.5	450	19.5	5.18	86.3
	5.0	500	19.8	5.47	91.1
	5.5	550	20.1	5.78	96.3
	6.0	600	20.1	6.04	100.6
 30 Black	6.5	650	20.4	6.29	104.8
	4.0	400	19.8	5.23	87.1
	4.5	450	20.1	5.58	93.1
	5.0	500	20.4	5.29	98.7
	5.5	550	21.0	6.29	104.9
 30 Black	6.0	600	21.0	6.60	110.0
	6.5	650	21.3	6.90	115.1
	4.5	450	20.1	5.93	98.8
	5.0	500	20.7	6.21	103.5
	5.5	550	21.3	6.52	108.6
 30 Black	6.0	600	21.3	6.77	112.8
	6.5	650	21.6	7.01	116.9
	7.0	700	21.6	7.24	120.7
	31				

I-35 High-Speed Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■ ▲	
 9 Lt. Brown	40	42'	7.7	0.84	0.97
	50	43'	8.3	0.86	1.00
	60	44'	9.2	0.91	1.06
	70	45'	9.9	0.94	1.09
 12 Lt. Blue	50	48'	11.2	0.94	1.08
	60	49'	12.3	0.99	1.14
	70	51'	13.3	0.98	1.14
	80	51'	14.3	1.06	1.22
 15 Gray	50	49'	13.4	1.07	1.24
	60	51'	14.3	1.06	1.22
	70	53'	15.2	1.04	1.20
	80	54'	16.4	1.08	1.25
 18 Red	50	50'	14.5	1.12	1.29
	60	53'	15.7	1.08	1.24
	70	55'	16.9	1.08	1.24
	80	57'	18.2	1.08	1.25
 21 Dk. Brown	60	53'	17.8	1.22	1.41
	70	56'	19.2	1.18	1.36
	80	58'	20.5	1.17	1.35
	90	59'	21.8	1.21	1.39
 24 Dk. Green	60	56'	21.9	1.34	1.55
	70	58'	23.6	1.35	1.56
	80	60'	25.6	1.37	1.58
	90	61'	27.0	1.40	1.61
 27 Dk. Blue	60	58'	23.5	1.34	1.55
	70	62'	25.5	1.28	1.47
	80	64'	28.0	1.32	1.52
	90	66'	29.5	1.30	1.51
 30 Black	70	60'	26.9	1.44	1.66
	80	62'	28.7	1.44	1.66
	90	65'	30.6	1.39	1.61
	100	67'	31.5	1.35	1.56

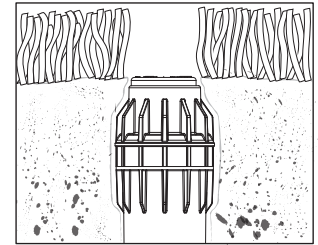
I-35 High-Speed Nozzle Performance Data – Metric

Nozzle	Pressure Bars kPa	Radius m	Flow m³/hr l/min	Precip mm/hr ■ ▲	
 9 Lt. Brown	2.5	250	12.5	1.65	27.5
	3.0	300	12.8	1.81	30.1
	3.5	350	13.1	1.94	32.3
	4.0	400	13.4	2.05	34.2
	4.5	450	13.4	2.16	36.0
 12 Lt. Blue	5.0	500	13.7	2.27	37.8
	3.0	300	14.3	2.38	39.6
	3.5	350	14.6	2.57	42.8
	4.0	400	14.9	2.75	45.7
	4.5	450	15.2	2.91	48.5
 15 Gray	5.0	500	15.5	3.07	51.2
	5.5	550	15.5	3.24	54.0
	3.0	300	14.6	2.86	47.7
	3.5	350	14.9	3.05	50.8
	4.0	400	15.2	3.22	53.7
 18 Red	4.5	450	15.5	3.38	56.3
	5.0	500	16.2	3.53	58.8
	5.5	550	16.5	3.69	61.5
	3.5	350	14.9	3.08	51.4
	4.0	400	15.2	3.31	55.2
 21 Dk. Brown	4.5	450	15.5	3.72	62.0
	5.0	500	16.8	3.91	65.2
	5.5	550	17.4	4.11	68.5
	4.0	400	16.2	3.97	66.2
	4.5	450	16.5	4.20	70.1
 24 Dk. Green	5.0	500	17.1	4.42	73.7
	5.5	550	17.7	4.66	77.7
	6.0	600	17.7	4.86	81.0
	6.5	650	18.0	5.05	84.2
	4.0	400	17.1	4.88	81.3
 27 Dk. Blue	4.5	450	17.4	5.18	86.3
	5.0	500	17.7	5.47	91.1
	5.5	550	18.3	5.78	96.3
	6.0	600	18.3	6.04	100.6
	6.5	650	18.6	6.29	104.8
 30 Black	4.0	400	17.7	5.23	87.1
	4.5	450	18.3	5.58	93.1
	5.0	500	18.9	5.29	98.7
	5.5	550	19.5	6.29	104.9
	6.0	600	19.8	6.60	110.0
 30 Black	6.5	650	20.1	6.90	115.1
	4.5	450	18.0	5.93	98.8
	5.0	500	18.3	6.21	103.5
	5.5	550	18.9	6.52	108.6
	6.0	600	19.5	6.77	112.8
 30 Black	6.5	650	19.8	7.01	116.9
	7.0	700	20.4	7.24	120.7
	35				

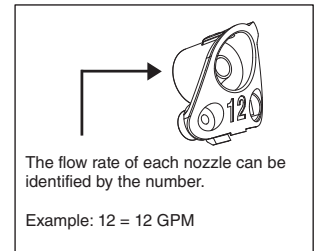
* 5 standard nozzles included with each sprinkler.

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

CORRECT INSTALLATION



IDENTIFYING NOZZLE NUMBERS



FULL CIRCLE ROTATION SPEED

