

I-90 ADV Only – Aligning the Right (Fixed) Side of the Arc

If the right side of the arc is not properly aligned, the result may be a wet walkway or a dry turf area. The right side can easily be realigned. One way to realign the right stop is to unscrew the body cap counterclockwise and remove the internal assembly from the body. Once removed, rotate the nozzle turret to the right stop, insert the internal assembly back into the body with the nozzle aligned to the right side of the area you want irrigated. At this point you realigned the right arc stop, and you can adjust the left arc to an appropriate setting.

Performance Charts

I-90-ADV Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
25 Lt. Blue NEW	60	63	22.0	1.07	1.23
	70	64	24.9	1.17	1.35
	80	65	27.5	1.25	1.45
	90	67	28.8	1.24	1.43
	100	68	30.6	1.27	1.47
33 Gray	60	67	30.7	1.32	1.52
	70	67	33.1	1.42	1.64
	80	68	35.5	1.48	1.71
	90	69	37.7	1.52	1.76
	100	70	39.8	1.56	1.81
38 Red	60	69	34.0	1.37	1.59
	70	70	36.9	1.45	1.67
	80	72	39.8	1.48	1.71
	90	73	42.3	1.53	1.76
	100	75	44.1	1.51	1.74
43 Dk. Brown	60	70	38.7	1.52	1.76
	70	71	42.0	1.60	1.85
	80	72	44.5	1.65	1.91
	90	73	47.6	1.72	1.99
	100	73	48.3	1.74	2.01
48 Dk. Green	70	75	47.0	1.61	1.86
	80	77	50.2	1.63	1.88
	90	79	53.3	1.64	1.90
	100	81	56.0	1.64	1.90
	70	79	48.5	1.50	1.73
53 Dk. Blue*	80	81	53.4	1.57	1.81
	90	85	57.0	1.52	1.75
	100	86	59.5	1.55	1.79
	70	84	60.9	1.66	1.92
	80	86	63.8	1.66	1.92
63 Black	90	88	66.5	1.65	1.91
	100	90	69.8	1.66	1.92
	80	90	66.9	1.59	1.84
	90	92	69.7	1.59	1.83
	100	95	72.8	1.55	1.79
73 Orange NEW	110	98	76.2	1.53	1.76

I-90-36V Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
25 Lt. Blue NEW	60	69	25.5	0.52	0.60
	70	71	27.8	0.53	0.61
	80	73	30.2	0.55	0.63
	90	75	31.7	0.54	0.63
	100	77	33.9	0.55	0.64
33 Gray	60	71	29.8	0.57	0.66
	70	74	32.2	0.57	0.65
	80	76	34.4	0.57	0.66
	90	78	36.8	0.58	0.67
	100	80	38.6	0.58	0.67
38 Red	60	74	33.3	0.59	0.68
	70	77	36.1	0.59	0.68
	80	79	38.4	0.59	0.68
	90	80	40.9	0.62	0.71
	100	82	42.8	0.61	0.71
43 Dk. Brown	60	77	38.1	0.62	0.71
	70	79	40.9	0.63	0.73
	80	82	43.9	0.63	0.73
	90	83	46.5	0.65	0.75
	100	84	48.5	0.66	0.76
48 Dk. Green	70	82	46.3	0.66	0.77
	80	86	49.6	0.65	0.75
	90	89	52.5	0.64	0.74
	100	90	54.8	0.65	0.75
	70	85	50.5	0.67	0.78
53 Dk. Blue*	80	88	53.5	0.66	0.77
	90	90	57.4	0.68	0.79
	100	92	59.5	0.68	0.78
	70	90	60.6	0.72	0.83
	80	92	63.2	0.72	0.83
63 Black	90	94	65.9	0.72	0.83
	100	96	69.4	0.72	0.84
	80	95	72.1	0.77	0.89
	90	97	75.9	0.78	0.90
	100	99	79.5	0.78	0.90
73 Orange NEW	110	101	83.0	0.78	0.90

I-90-ADV Nozzle Performance Data – Metric

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bar	kPa		m ³ /hr	l/min	■	▲
25 Lt. Blue NEW	4.0	400	18.9	4.97	82.8	28	32
	4.5	450	19.2	5.34	89.0	29	33
	5.0	500	19.5	5.70	95.0	30	35
	5.5	550	19.8	6.10	101.6	31	36
	6.0	600	20.1	6.43	107.2	32	37
	6.5	650	20.4	6.76	112.7	32	37
	7.0	700	20.7	7.08	117.9	33	38
	4.0	400	20.1	6.84	114.1	34	39
33 Gray	4.5	450	20.4	7.25	120.9	35	40
	5.0	500	20.4	7.64	127.4	37	42
	5.5	550	20.7	8.06	134.4	38	43
	6.0	600	20.7	8.42	140.3	39	45
	6.5	650	21.0	8.75	145.9	40	46
	7.0	700	21.3	9.08	151.3	40	46
	4.0	400	20.7	7.61	126.8	35	41
	4.5	450	21.0	8.07	134.5	37	42
38 Red	5.0	500	21.3	8.51	141.9	37	43
	5.5	550	21.9	8.99	149.8	37	43
	6.0	600	22.3	9.39	156.5	38	44
	6.5	650	22.6	9.77	162.9	38	44
	7.0	700	22.9	10.14	169.0	39	45
	4.0	400	21.0	8.72	145.4	39	46
	4.5	450	21.3	9.18	153.0	40	47
	5.0	500	21.6	9.62	160.2	41	47
43 Dk. Brown	5.5	550	21.9	10.08	168.0	42	48
	6.0	600	21.9	10.47	174.5	43	50
	6.5	650	22.3	10.84	180.7	44	51
	7.0	700	22.3	11.20	186.6	45	52
	5.0	500	22.9	10.83	180.4	41	48
	5.5	550	23.5	11.41	190.1	41	48
	6.0	600	23.8	11.89	198.1	42	49
	6.5	650	24.1	12.35	205.8	43	49
48 Dk. Green	7.0	700	24.7	12.79	213.2	42	48
	5.0	500	24.1	11.29	188.2	39	45
	5.5	550	24.7	12.00	200.0	39	45
	6.0	600	25.6	12.59	209.9	38	44
	6.5	650	26.2	13.17	219.8	38	44
	7.0	700	26.2	13.72	228.7	40	46
	5.0	500	25.6	13.95	232.5	43	49
	5.5	550	26.2	14.52	241.9	42	49
63 Black	6.0	600	26.5	14.98	249.7	43	49
	6.5	650	26.8	15.43	257.1	43	50
	7.0	700	27.4	15.85	264.2	42	49
	5.5	550	27.4	15.22	253.7	40	47
	6.0	600	27.7	15.69	261.4	41	47
	6.5	650	28.3	16.13	268.8	40	46
	7.0	700	29.0	16.55	275.8	39	46
	7.5	750	29.9	17.01	283.5	38	44

I-90-36V Nozzle Performance Data – Metric

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bar	kPa		m ³ /hr	l/min	■	▲
25 Lt. Blue NEW	4.0	400	20.7	5.70	94.9	13	15
	4.5	450	21.0	6.06	101.1	14	16
	5.0	500	21.6	6.42	106.9	14	16
	5.5	550	22.3	6.80	113.3	14	16
	6.0	600	22.6	7.12	118.7	14	16
	6.5	650	22.9	7.43	123.9	14	16
	7.0	700	23.5	7.73	128.9	14	16
	4.0	400	21.3	6.65	110.8	15	17
33 Gray	4.5	450	21.9	7.05	117.4	15	17
	5.0	500	22.6	7.43	123.7	15	17
	5.5	550	23.2	7.84	130.6	15	17
	6.0	600	23.5	8.18	136.3	15	17
	6.5	650	23.8	8.51	141.8	15	17
	7.0	700	24.4	8.83	147.1	15	17
	4.0	400	22.3	7.45	124.2	15	17
	4.5	450	22.9	7.89	131.4	15	17
38 Red	5.0	500	23.8	8.29	138.2	15	17
	5.5	550	24.1	8.74	145.6	15	17
	6.0	600	24.1	9.10	151.7	16	18
	6.5	650	24.4	9.46	157.6	16	18
	7.0	700	25.0	9.80	163.3	16	18
	4.0	400	23.2	8.51	141.9	16	18
	4.5	450	23.8	8.99	149.9	16	18
	5.0	500	24.1	9.45	157.4	16	18
43 Dk. Brown	5.5	550	25.0	9.94	165.6	16	18
	6.0	600	25.0	10.35	172.4	17	19
	6.5	650	25.3	10.74	178.9	17	19
	7.0	700	25.6	11.11	185.2	17	20
	5.0	500	25.0	10.69	178.1	17	20
	5.5	550	26.2	11.24	187.2	16	19
	6.0	600	26.8	11.69	194.9	16	19
	6.5	650	27.1	12.13	202.1	16	19
48 Dk. Green	7.0	700	27.4	12.55	209.2	17	19
	5.0	500	25.9	11.62	193.6	17	20
	5.5	550	26.8	12.21	203.6	17	20
	6.0	600	27.1	12.71	211.8	17	20
	6.5	650	27.7	13.19	219.7	17	20
	7.0	700	28.0	13.64	227.4	17	20
	5.0	500	27.4	13.85	230.8	18	21
	5.5	550	28.0	14.41	240.2	18	21
63 Black	6.0	600	28.3	14.87	247.9	19	21
	6.5	650	28.7	15.31	255.2	19	22
	7.0	700	29.3	15.73	262.2	18	21
	5.5	550	29.0	16.51	275.2	20	23
	6.0	600	29.3	17.05	284.1	20	23
	6.5	650	29.6	17.56	292.6	20	23
	7.0	700	30.2	18.05	300.7	20	23
	7.5	750	30.8	18.58	309.6	20	23