

RPS[®] 75 Gear Driven Sprinkler Setting Instructions

SETTING THE ARC ADJUSTMENT

(continued from reverse side)

3► ADJUSTING THE LEFT (VARIABLE) SIDE OF THE ARC

INCREASING THE ARC

Insert the (A) end of the Key into the arc set adjustment slot (M). While holding the nozzle turret (I) at the right start, turn the Key clockwise. Each full 360° turn of the Key will increase the arc 90°. Adjust to any arc between 40° and 360°. The Key will stop turning, or there will be ratcheting noise, when the maximum arc of 360° has been reached.

DECREASING THE ARC

Insert the (A) end of the Key into the arc set adjustment slot (M). While holding the nozzle turret (I) at the right start, turn the Key counter-clockwise. Each full 360° turn of the Key will decrease the arc 90°. Adjust to any arc between 40° and 360°. The Key will stop turning, or there will be a ratcheting noise, when the minimum arc of 40° has been reached.

SPRINKLER INSTALLATION

1► INSTALL AND BURY

Do not use pipe dope. Thread the sprinkler on the pipe. Bury the sprinkler flush on the same watering zone.

NOTE: Gear driven sprinklers and pop-up sprays should not be installed on the same watering zone.

2► INSPECTING THE FILTER

Unscrew the top (H) and lift the complete sprinkler assembly (J) out of the can (K). The filter is located on the bottom of the sprinkler assembly and can be easily pulled out, cleaned and re-installed.

3► WINTERIZATION TIPS

When using an air compressor to remove water from the system please note the following:

- Do not exceed 30 PSI.
- Always introduce air into the system gradually to avoid air pressure surges. Sudden release of compressed air into the sprinkler can cause damage.
- Each zone should run no longer than 1 minute on air. Sprinklers turn 10 to 12 time faster on air than on water. Over spinning rotors on air can cause damage to the internal components.

PERFORMANCE DATA

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr / mm/hr			
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H	■	▲	■	▲
#0.75	30	206	2.1	29	8.8	0.7	2.6	0.16	0.16	0.19	4	5
	40	275	2.8	30	9.1	0.8	3.0	0.18	0.17	0.20	4	5
	50	344	3.4	30	9.1	0.9	3.4	0.20	0.19	0.22	5	6
	60	413	4.1	31	9.4	1.0	3.8	0.23	0.20	0.23	5	6
#1.0	30	206	2.1	30	9.1	0.9	3.4	0.20	0.19	0.22	5	6
	40	275	2.8	31	9.4	1.0	3.8	0.23	0.20	0.23	5	6
	50	344	3.4	31	9.4	1.2	4.5	0.27	0.24	0.28	6	7
	60	413	4.1	32	9.8	1.3	4.9	0.30	0.24	0.28	6	7
#1.5	30	206	2.1	32	9.8	1.2	4.5	0.27	0.23	0.26	5	6
	40	275	2.8	33	10.1	1.4	5.3	0.32	0.25	0.29	6	7
	50	344	3.4	34	10.4	1.6	6.1	0.36	0.27	0.31	7	8
	60	413	4.1	34	10.4	1.8	6.8	0.41	0.30	0.35	7	9
#2.0	30	206	2.1	34	10.4	1.6	6.1	0.36	0.27	0.31	7	8
	40	275	2.8	36	11.0	1.8	6.8	0.41	0.27	0.31	7	8
	50	344	3.4	38	11.6	2.0	7.6	0.45	0.27	0.31	7	8
	60	413	4.1	38	11.6	2.2	8.3	0.50	0.29	0.34	7	9
#3.0 Pre- installed	30	206	2.1	36	11.0	2.0	7.6	0.45	0.30	0.34	7	9
	40	275	2.8	38	11.6	2.4	9.1	0.55	0.32	0.37	8	9
	50	344	3.4	40	12.2	2.7	10.2	0.61	0.32	0.38	8	10
	60	413	4.1	40	12.2	2.9	11.0	0.66	0.35	0.40	9	10
#4.0	30	206	2.1	36	11.0	2.6	9.8	0.59	0.39	0.45	10	11
	40	275	2.8	40	12.2	3.0	11.4	0.68	0.36	0.42	9	11
	50	344	3.4	42	12.8	3.4	12.9	0.77	0.37	0.43	9	11
	60	413	4.1	42	12.8	3.7	14.0	0.84	0.40	0.47	9	12
#6.0	40	275	2.8	38	11.6	4.2	15.9	0.91	0.56	0.65	14	16
	50	344	3.4	43	13.1	4.9	18.5	1.11	0.51	0.59	13	15
	60	413	4.1	46	14.0	5.5	20.8	1.25	0.50	0.58	13	15
	70	482	4.8	47	14.3	6.0	22.7	1.36	0.52	0.60	13	15
#8.0	40	275	2.8	45	13.7	6.0	22.7	1.36	0.57	0.66	14	17
	50	344	3.4	48	14.6	6.8	25.7	1.54	0.57	0.66	14	17
	60	413	4.1	49	14.9	7.6	28.8	1.73	0.61	0.70	15	18
	70	482	4.8	51	15.5	8.2	31.0	1.86	0.61	0.70	15	18

LOW ANGLE PERFORMANCE DATA

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr / mm/hr			
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H	■	▲	■	▲
#1.0	30	207	2.0	22	6.7	1.2	4.5	.34	0.48	0.55	12	14
	40	275	3.0	24	7.3	1.7	6.4	.39	0.57	0.66	14	17
	50	344	3.5	26	7.9	1.8	6.8	.41	0.51	0.59	13	15
	60	413	4.0	28	8.5	2.0	7.6	.46	0.49	0.57	13	14
#3.0	30	207	2.0	29	8.8	3.0	11.4	.68	0.69	0.79	18	20
	40	275	3.0	32	9.8	3.1	11.7	.71	0.58	0.67	15	17
	50	344	3.5	35	10.7	3.5	13.2	.80	0.55	0.64	14	16
	60	413	4.0	37	11.3	3.8	14.4	.87	0.53	0.62	13	16
#4.0	30	207	2.0	31	9.4	3.4	12.9	.78	0.68	0.79	17	20
	40	275	3.0	34	10.4	3.9	14.8	.89	0.65	0.75	16	19
	50	344	3.5	37	11.3	4.4	16.7	1.00	0.62	0.71	16	18
	60	413	4.0	38	11.6	4.7	17.8	1.07	0.63	0.72	16	18
#6.0	40	275	3.0	38	11.6	6.5	24.6	1.68	0.87	1.00	22	25
	50	344	3.5	40	12.2	7.3	27.6	1.66	0.88	1.01	22	25
	60	413	4.0	42	12.8	8.0	30.3	1.82	0.87	1.01	22	26
	70	482	5.0	44	13.4	8.3	32.6	1.96	0.86	0.99	22	25

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

 **naturalist**

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