R-VAN Rotary Nozzles



R-VAN

- ✓ Adjust by hand
- ✓ Pull-up to flush
- ✓ Even watering
- ✓ Wind resistant

MP Rotator

- ✗ Tool required
- ✗ Clogs
- ✗ Not matched precipitation
- ✗ Thin streams

2.4m to 4.6m



R-VAN14
45° - 270°

R-VAN14-360
360°

4.0m to 5.5m



R-VAN18
45° - 270°



R-VAN18-360
360°

5.2m to 7.3m



R-VAN24
45° - 270°



R-VAN24-360
360°

Strip Nozzles



R-VAN-LCS
1.5m x 4.6m
Left Corner Strip



R-VAN-SST
1.5m x 9.1m
Side Strip



R-VAN-RCS
1.5m x 4.6m
Right Corner Strip

RAIN BIRD®

Rotary Nozzle Performance Data

Adjustable Arc Nozzles

R-VAN14 (2.4m to 4.6m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) ■	Precip. (mm/h) ▲
270°	2.1	4.0	3.18	16	19
	2.4	4.0	3.29	17	19
	2.8	4.3	3.48	15	18
	3.1	**4.3**	**3.56**	**16**	**18**
	3.4	4.6	4.20	16	19
	3.8	4.6	4.43	17	20
240°	2.1	4.0	2.82	16	19
	2.4	4.0	2.93	17	19
	2.8	4.3	3.10	15	18
	3.1	**4.3**	**3.16**	**16**	**18**
	3.4	4.6	3.73	16	19
	3.8	4.6	3.94	17	20
210°	2.1	4.0	2.46	16	19
	2.4	4.0	2.57	17	19
	2.8	4.3	2.73	15	18
	3.1	**4.3**	**2.76**	**16**	**18**
	3.4	4.6	3.26	16	19
	3.8	4.6	3.44	17	20
180°	2.1	4.0	2.12	16	19
	2.4	4.0	2.20	17	19
	2.8	4.3	2.31	15	18
	3.1	**4.3**	**2.38**	**16**	**18**
	3.4	4.6	2.80	16	19
	3.8	4.6	2.95	17	20
150°	2.1	4.0	1.77	16	19
	2.4	4.0	1.83	17	19
	2.8	4.3	1.96	15	18
	3.1	**4.3**	**2.02**	**16**	**18**
	3.4	4.6	2.33	16	19
	3.8	4.6	2.46	17	20
120°	2.1	4.0	1.41	16	19
	2.4	4.0	1.46	17	19
	2.8	4.3	1.56	15	18
	3.1	**4.3**	**1.62**	**16**	**18**
	3.4	4.6	1.87	16	19
	3.8	4.6	1.97	17	20
90°	2.1	4.0	1.06	16	19
	2.4	4.0	1.10	17	19
	2.8	4.3	1.17	16	18
	3.1	**4.3**	**1.21**	**15**	**18**
	3.4	4.6	1.40	16	19
	3.8	4.6	1.48	17	20
60°	2.1	4.0	0.71	16	19
	2.4	4.0	0.73	17	19
	2.8	4.3	0.78	15	18
	3.1	**4.3**	**0.81**	**16**	**18**
	3.4	4.6	0.93	16	19
	3.8	4.6	0.98	17	20
45°	2.1	4.0	0.53	16	19
	2.4	4.0	0.55	17	19
	2.8	4.3	0.59	15	18
	3.1	**4.3**	**0.61**	**16**	**18**
	3.4	4.6	0.70	16	19
	3.8	4.6	0.74	17	20

R-VAN18 (4.0m to 5.5m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) ■	Precip. (mm/h) ▲
270°	2.1	4.9	4.77	17	19
	2.4	4.9	5.11	16	19
	2.8	5.2	5.38	16	19
	3.1	**5.2**	**5.72**	**16**	**19**
	3.4	5.5	5.94	15	18
	3.8	5.5	6.13	15	18
240°	2.1	4.9	4.24	16	19
	2.4	4.9	4.54	17	20
	2.8	5.2	4.77	16	18
	3.1	**5.2**	**5.07**	**17**	**20**
	3.4	5.5	5.28	16	18
	3.8	5.5	5.45	16	19
210°	2.1	4.9	3.71	16	19
	2.4	4.9	3.97	17	20
	2.8	5.2	4.16	16	19
	3.1	**5.2**	**4.43**	**16**	**20**
	3.4	5.5	4.62	16	18
	3.8	5.5	4.77	16	19
180°	2.1	4.9	3.22	17	19
	2.4	4.9	3.44	16	19
	2.8	5.2	3.71	16	19
	3.1	**5.2**	**3.82**	**16**	**19**
	3.4	5.5	4.05	15	18
	3.8	5.5	4.13	15	18
150°	2.1	4.9	2.68	16	19
	2.4	4.9	2.87	17	20
	2.8	5.2	3.09	17	19
	3.1	**5.2**	**3.19**	**17**	**20**
	3.4	5.5	3.38	16	19
	3.8	5.5	3.44	16	19
120°	2.1	4.9	2.15	16	19
	2.4	4.9	2.30	17	20
	2.8	5.2	2.47	17	19
	3.1	**5.2**	**2.55**	**17**	**20**
	3.4	5.5	2.70	16	19
	3.8	5.5	2.75	16	19
90°	2.1	4.9	1.59	17	19
	2.4	4.9	1.78	16	19
	2.8	5.2	1.89	16	19
	3.1	**5.2**	**1.89**	**16**	**19**
	3.4	5.5	2.04	15	18
	3.8	5.5	2.20	15	18
60°	2.1	4.9	1.06	16	19
	2.4	4.9	1.19	18	21
	2.8	5.2	1.26	17	20
	3.1	**5.2**	**1.26**	**17**	**20**
	3.4	5.5	1.36	16	19
	3.8	5.5	1.46	18	20
45°	2.1	4.9	0.79	16	19
	2.4	4.9	0.89	18	21
	2.8	5.2	0.95	17	20
	3.1	**5.2**	**0.95**	**17**	**20**
	3.4	5.5	1.02	16	19
	3.8	5.5	1.10	18	20

R-VAN24 (5.2m to 7.3m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) ■	Precip. (mm/h) ▲
270°	2.1	5.8	6.81	16	19
	2.4	6.1	7.38	16	18
	2.8	6.7	8.74	16	18
	3.1	**7.0**	**9.54**	**16**	**18**
	3.4	7.3	10.67	16	18
	3.8	7.3	10.90	16	19
240°	2.1	5.8	6.06	16	19
	2.4	6.1	6.57	16	18
	2.8	6.7	7.78	16	18
	3.1	**7.0**	**8.48**	**16**	**18**
	3.4	7.3	9.48	16	18
	3.8	7.3	9.69	16	19
210°	2.1	5.8	5.30	16	19
	2.4	6.1	5.75	16	18
	2.8	6.7	6.81	16	18
	3.1	**7.0**	**7.42**	**16**	**18**
	3.4	7.3	8.29	16	18
	3.8	7.3	8.48	16	19
180°	2.1	5.8	4.54	16	19
	2.4	6.1	4.92	16	18
	2.8	6.7	5.83	16	18
	3.1	**7.0**	**6.36**	**16**	**18**
	3.4	7.3	7.12	16	18
	3.8	7.3	7.27	16	19
150°	2.1	5.8	3.79	16	19
	2.4	6.1	4.10	16	18
	2.8	6.7	4.86	16	18
	3.1	**7.0**	**5.30**	**16**	**18**
	3.4	7.3	5.93	16	18
	3.8	7.3	6.06	16	19
120°	2.1	5.8	3.03	16	19
	2.4	6.1	3.28	16	18
	2.8	6.7	3.89	16	18
	3.1	**7.0**	**4.24**	**16**	**18**
	3.4	7.3	4.74	16	18
	3.8	7.3	4.85	16	19
90°	2.1	5.8	2.27	16	19
	2.4	6.1	2.46	16	18
	2.8	6.7	2.91	16	18
	3.1	**7.0**	**3.18**	**16**	**18**
	3.4	7.3	3.56	16	18
	3.8	7.3	3.63	16	19
60°	2.1	5.8	1.51	16	19
	2.4	6.1	1.64	16	18
	2.8	6.7	1.94	16	18
	3.1	**7.0**	**2.12**	**16**	**18**
	3.4	7.3	2.37	16	18
	3.8	7.3	2.42	16	19
45°	2.1	5.8	1.14	16	19
	2.4	6.1	1.23	16	18
	2.8	6.7	1.46	16	18
	3.1	**7.0**	**1.59**	**16**	**18**
	3.4	7.3	1.78	16	18
	3.8	7.3	1.82	16	19

Recommended Operating Pressure: 3.1 bar

For best results, use pressure-regulated Rain Bird PRS45 Spray Heads.

Note: *All Rotary nozzles tested on 10.2 cm pop-ups*

- *Performance data taken in zero wind conditions*
- *Includes interpolation/extrapolation.*

■ *Square spacing based on 50% diameter of throw*

▲ *Triangular spacing based on 50% diameter of throw*

– *Straight-line spacing based on 50% overlap of throw for LCS, SST, and RCS*

- *Rain Bird reserves the right to update its products, which could result in changes to flow rates.*
- *R-VAN24 and R-VAN24-360: Do not reduce the radius below 5.2m.*
- *R-VAN18 and R-VAN18-360: Do not reduce the radius below 4.0m.*
- *R-VAN14 and R-VAN18-360: Do not reduce the radius below 2.4m.*

Full Circle and Strip Nozzles

R-VAN14-360 (2.4m to 4.6m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) ■	Precip. (mm/h) ▲
360°	2.1	4.0	4.16	16	18
	2.4	4.0	4.24	16	19
	2.8	4.3	4.62	15	18
	3.1	**4.3**	**4.81**	**16**	**18**
	3.4	4.6	5.34	15	18
	3.8	4.6	5.49	16	18

R-VAN18-360 (4.0m to 5.5m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) ■	Precip. (mm/h) ▲
360°	2.1	4.9	6.25	16	18
	2.4	4.9	6.32	16	19
	2.8	5.2	6.81	15	18
	3.1	**5.2**	**7.00**	**16**	**18**
	3.4	5.5	7.76	15	18
	3.8	5.5	7.99	16	18

R-VAN24-360 (5.2m to 7.3m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) ■	Precip. (mm/h) ▲
360°	2.1	5.8	8.90	16	18
	2.4	6.1	9.54	15	18
	2.8	6.7	11.85	16	18
	3.1	**7.0**	**13.17**	**16**	**19**
	3.4	7.3	13.67	15	18
	3.8	7.3	14.16	16	18

R-VANLCS (1.5m x 4.6m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) –	Precip. (mm/h) ▲
Left Corner Strip	2.1	1.2x4.3	0.68	16	16
	2.4	1.5x4.6	0.83	14	14
	2.8	1.5x4.6	0.87	15	15
	3.1	**1.5x4.6**	**0.91**	**16**	**16**
	3.4	1.5x4.6	0.95	16	16
	3.8	1.8x4.9	1.06	14	14

R-VANSST (1.5m x 9.1m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) –	Precip. (mm/h) ▲
Side Strip	2.1	1.2x8.5	1.36	16	16
	2.4	1.5x9.1	1.67	14	14
	2.8	1.5x9.1	1.74	15	15
	3.1	**1.5x9.1**	**1.82**	**16**	**16**
	3.4	1.5x9.1	1.89	16	16
	3.8	1.8x9.8	2.12	14	14

R-VANRCS (1.5m x 4.6m)

Arc	Pressure bar	Radius m	Flow l/m	Precip. (mm/h) –	Precip. (mm/h) ▲
Right Corner Strip	2.1	1.2x4.3	0.68	16	16
	2.4	1.5x4.6	0.83	14	14
	2.8	1.5x4.6	0.87	15	15
	3.1	**1.5x4.6**	**0.91**	**16**	**16**
	3.4	1.5x4.6	0.95	16	16
	3.8	1.8x4.9	1.06	14	14

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