

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

8' to 14'



R-VAN14
45° - 270°



R-VAN14-360
360°

13' to 18'



R-VAN18
45° - 270°



R-VAN18-360
360°

17' to 24'



R-VAN24
45° - 270°



R-VAN24-360
360°

Strip Nozzles



R-VAN-LCS
5' x 15'
Left Corner Strip



R-VAN-SST
5' x 30'
Side Strip



R-VAN-RCS
5' x 15'
Right Corner Strip

RAIN BIRD®

Rotary Nozzle Performance Data

Adjustable Arc Nozzles

R-VAN14 (8' - 14')

Arc	Pressure psi	Radius ft.	Flow gpm	Precip. (in/h)	■	▲
270°	30	13	0.84	0.64	0.76	
	35	13	0.87	0.66	0.74	
	40	14	0.92	0.60	0.71	
45	14	0.94	0.62	0.70		
	50	15	1.11	0.63	0.73	
	55	15	1.17	0.67	0.77	
240°	30	13	0.75	0.64	0.74	
	35	13	0.78	0.66	0.76	
	40	14	0.82	0.60	0.70	
45	14	0.84	0.62	0.71		
	50	15	0.99	0.63	0.73	
	55	15	1.04	0.67	0.77	
210°	30	13	0.65	0.64	0.76	
	35	13	0.68	0.66	0.74	
	40	14	0.72	0.60	0.71	
45	14	0.73	0.62	0.70		
	50	15	0.86	0.63	0.73	
	55	15	0.91	0.67	0.77	
180°	30	13	0.56	0.64	0.76	
	35	13	0.58	0.66	0.74	
	40	14	0.61	0.60	0.71	
45	14	0.63	0.62	0.70		
	50	15	0.74	0.63	0.73	
	55	15	0.78	0.67	0.77	
150°	30	13	0.47	0.64	0.74	
	35	13	0.48	0.66	0.76	
	40	14	0.52	0.61	0.70	
45	14	0.53	0.63	0.73		
	50	15	0.62	0.63	0.73	
	55	15	0.65	0.67	0.77	
120°	30	13	0.37	0.64	0.74	
	35	13	0.39	0.66	0.76	
	40	14	0.41	0.61	0.70	
45	14	0.43	0.63	0.73		
	50	15	0.49	0.63	0.73	
	55	15	0.52	0.67	0.77	
90°	30	13	0.28	0.64	0.76	
	35	13	0.29	0.66	0.74	
	40	14	0.31	0.62	0.71	
45	14	0.32	0.61	0.70		
	50	15	0.37	0.63	0.73	
	55	15	0.39	0.67	0.77	
60°	30	13	0.19	0.64	0.74	
	35	13	0.19	0.66	0.76	
	40	14	0.21	0.61	0.70	
45	14	0.21	0.63	0.73		
	50	15	0.25	0.63	0.73	
	55	15	0.26	0.67	0.77	
45°	30	13	0.14	0.64	0.74	
	35	13	0.15	0.66	0.76	
	40	14	0.16	0.61	0.70	
45	14	0.16	0.63	0.73		
	50	15	0.19	0.63	0.73	
	55	15	0.20	0.67	0.77	

Recommended Operating Pressure: 45 psi

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

Note: All Rotary nozzles tested on 4" (10.2 cm) pop-ups

• Performance data taken in zero wind conditions

• Includes interpolation/extrapolation.

R-VAN18 (13' - 18')

Arc	Pressure psi	Radius ft.	Flow gpm	Precip. (in/h)	■	▲
270°	30	16	1.26	0.65	0.75	
	35	16	1.35	0.64	0.74	
	40	17	1.42	0.63	0.73	
45	17	1.51	0.64	0.73		
	50	18	1.57	0.60	0.69	
	55	18	1.62	0.60	0.69	
240°	30	16	1.12	0.63	0.73	
	35	16	1.20	0.68	0.78	
	40	17	1.26	0.63	0.73	
45	17	1.34	0.67	0.77		
	50	18	1.40	0.62	0.72	
	55	18	1.44	0.64	0.74	
210°	30	16	0.98	0.63	0.73	
	35	16	1.05	0.68	0.78	
	40	17	1.10	0.63	0.73	
45	17	1.17	0.64	0.77		
	50	18	1.22	0.62	0.72	
	55	18	1.26	0.64	0.74	
180°	30	16	0.85	0.65	0.75	
	35	16	0.91	0.64	0.74	
	40	17	0.98	0.63	0.73	
45	17	1.01	0.64	0.73		
	50	18	1.07	0.60	0.69	
	55	18	1.09	0.60	0.69	
150°	30	16	0.71	0.64	0.74	
	35	16	0.76	0.68	0.79	
	40	17	0.82	0.65	0.75	
45	17	0.84	0.67	0.78		
	50	18	0.89	0.64	0.73	
	55	18	0.91	0.65	0.75	
120°	30	16	0.57	0.64	0.74	
	35	16	0.61	0.68	0.79	
	40	17	0.65	0.65	0.75	
45	17	0.67	0.67	0.78		
	50	18	0.71	0.64	0.73	
	55	18	0.73	0.65	0.75	
90°	30	16	0.42	0.65	0.75	
	35	16	0.47	0.64	0.74	
	40	17	0.50	0.63	0.73	
45	17	0.50	0.64	0.73		
	50	18	0.54	0.60	0.69	
	55	18	0.58	0.60	0.69	
60°	30	16	0.28	0.63	0.73	
	35	16	0.31	0.71	0.82	
	40	17	0.33	0.67	0.77	
45	17	0.33	0.67	0.77		
	50	18	0.36	0.64	0.74	
	55	18	0.39	0.69	0.80	
45°	30	16	0.21	0.63	0.73	
	35	16	0.24	0.71	0.82	
	40	17	0.25	0.67	0.77	
45	17	0.25	0.67	0.77		
	50	18	0.27	0.64	0.74	
	55	18	0.29	0.69	0.80	

■ 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

R-VAN24 (17' - 24')

Arc	Pressure psi	Radius ft.	Flow gpm	Precip. (in/h)	■	▲
270°	30	19	1.80	0.64	0.74	
	35	20	1.95	0.63	0.72	
	40	22	2.31	0.61	0.71	
45	23	2.52	0.61	0.71		
	50	24	2.82	0.63	0.73	
	55	24	2.88	0.64	0.74	
240°	30	19	1.60	0.64	0.74	
	35	20	1.74	0.63	0.72	
	40	22	2.06	0.61	0.71	
45	23	2.24	0.61	0.71		
	50	24	2.51	0.63	0.73	
	55	24	2.56	0.64	0.74	
210°	30	19	1.40	0.64	0.74	
	35	20	1.52	0.63	0.72	
	40	22	1.80	0.61	0.71	
45	23	1.96	0.61	0.71		
	50	24	2.19	0.63	0.72	
	55	24	2.24	0.64	0.74	
180°	30	19	1.20	0.64	0.74	
	35	20	1.30	0.63	0.72	
	40	22	1.54	0.61	0.71	
45	23	1.68	0.61	0.71		
	50	24	1.88	0.63	0.73	
	55	24	1.92	0.64	0.74	
150°	30	19	1.00	0.64	0.74	
	35	20	1.08	0.63	0.72	
	40	22	1.28	0.61	0.71	
45	23	1.40	0.61	0.71		
	50	24	1.57	0.63	0.73	
	55	24	1.60	0.64	0.74	
120°	30	19	0.80	0.64	0.74	
	35	20	0.87	0.63	0.72	
	40	22	1.03	0.61	0.71	
45	23	1.12	0.61	0.71		
	50	24	1.25	0.63	0.73	
	55	24	1.28	0.64	0.74	
90°	30	19	0.60	0.64	0.74	
	35	20	0.65	0.63	0.72	
	40	22	0.77	0.61	0.71	
45	23	0.84	0.61	0.71		
	50	24	0.94	0.63	0.73	
	55	24	0.96	0.64	0.74	
60°	30	19	0.40	0.64	0.74	
	35	20	0.43	0.63	0.72	
	40	22	0.51	0.61	0.71	
45	23	0.56	0.61	0.71		
	50	24	0.63	0.63	0.73	
	55	24	0.64	0.64	0.74	
45°	30	19	0.30	0.64	0.74	
	35	20	0.33	0.63	0.72	
	40	22	0.39	0.61	0.71	
45	23	0.42	0.61	0.71		
	50	24	0.47	0.63	0.73	
	55	24	0.48	0.64	0.74	

• 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 17'.

• R-VAN18 and R-VAN18-360: Do not reduce the radius below 13'.

• R-VAN14 and R-VAN18-360: Do not reduce the radius below 8'.

R-VAN24-360 (17' - 24')

Arc	Pressure psi	Radius ft.	Flow gpm	Precip. (in/h)	■	▲

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