











8' - 14' Adjustable Arc Nozzles (45° to 270°)

R-VAN14 8' - 14'					
Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip In/h	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
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
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
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	

R-VAN14 2.4 to 4.6m						METRIC
Nozzle	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	
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	
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	
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		

8' - 14' Full Circle Nozzles (360°)

R-VAN14-360 8' - 14'					
Nozzle	Pressure psi	Radius ft.	Flow gpm	Precip In/h	Precip In/h
360° 	30	13	1.10	0.63	0.72
	35	13	1.12	0.64	0.74
	40	14	1.22	0.60	0.69
	45	14	1.27	0.62	0.72
	50	15	1.41	0.60	0.70
55	15	1.45	0.62	0.72	





R-VAN14-360 2.4 to 4.6m						METRIC
Nozzle	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		





Note: All R-VAN nozzles tested on 4" (10.2 cm) pop-ups
 ■ Square spacing based on 50% diameter of throw
 ▲ Triangular spacing based on 50% diameter of throw

Performance data taken in zero wind conditions
 R-VAN24 and R-VAN24-360: "Do not reduce the radius below 17' (5.2 m)
 R-VAN18 and R-VAN18-360: "Do not reduce the radius below 13' (4.0 m)
 R-VAN14 and R-VAN14-360: "Do not reduce the radius below 8' (2.4 m)


13' - 18' Adjustable Arc Nozzles (45° to 270°)


Spray & Rotary Nozzles

R-VAN18		13' - 18'				
Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ 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	
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	
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	
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		

R-VAN18		4.0 to 5.5m				METRIC
Nozzle	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	
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	
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	
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		

13' - 18' Full Circle Nozzles (360°)

R-VAN18-360		13' - 18'				
Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h	
360° 	30	16	1.65	0.62	0.72	
	35	16	1.67	0.63	0.73	
	40	17	1.80	0.60	0.69	
	45	17	1.85	0.62	0.71	
	50	18	2.05	0.61	0.70	
55	18	2.11	0.63	0.72		

R-VAN18-360		4.0 to 5.5m				METRIC
Nozzle	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		

Note: All R-VAN nozzles tested on 4" (10.2 cm) pop-ups
 ■ Square spacing based on 50% diameter of throw
 ▲ Triangular spacing based on 50% diameter of throw

Performance data taken in zero wind conditions
 R-VAN24 and R-VAN24-360: "Do not reduce the radius below 17" (5.2 m)
 R-VAN18 and R-VAN18-360: "Do not reduce the radius below 13" (4.0 m)
 R-VAN14 and R-VAN18-360: "Do not reduce the radius below 8" (2.4 m)





Did you know?





You can use R-VAN Nozzles and 5000 Series MPR Rotors on the same zone!

- Matched precipitation rate (MPR) from 8' to 35'
- Superior coverage – >0.70 DU[LQ]
- Thick, wind-resistant streams – near to far





17' - 24' Adjustable Arc Nozzles (45° to 270°)

R-VAN24		17' - 24'				
Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ 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		
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	0.73	
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		
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		

R-VAN24		5.2 to 7.3m				METRIC
Nozzle	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	15	18	
	3.1	7.0	9.54	15	18	
	3.4	7.3	10.67	16	19	
3.8	7.3	10.90	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	15	18	
	3.1	7.0	7.42	15	18	
	3.4	7.3	8.29	16	19	
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	15	18	
	3.1	7.0	6.36	15	18	
	3.4	7.3	7.12	16	19	
3.8	7.3	7.27	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	15	18	
	3.1	7.0	3.18	15	18	
	3.4	7.3	3.56	16	19	
3.8	7.3	3.63	16	19		

17' - 24' Full Circle Nozzles (360°)

R-VAN24-360		17' - 24'				
Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h	
360° 	30	19	2.35	0.63	0.72	
	35	20	2.52	0.61	0.70	
	40	22	3.13	0.62	0.72	
	45	23	3.48	0.63	0.73	
	50	24	3.61	0.60	0.70	
55	24	3.74	0.62	0.72		

R-VAN24-360		5.2 to 7.3m				METRIC
Nozzle	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		

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

- Square spacing based on 50% diameter of throw
- ▲ Triangular spacing based on 50% diameter of throw

Performance data taken in zero wind conditions

- R-VAN24 and R-VAN24-360: "Do not reduce the radius below 17' (5,2 m)
- R-VAN18 and R-VAN18-360: "Do not reduce the radius below 13' (4,0 m)
- R-VAN14 and R-VAN18-360: "Do not reduce the radius below 8' (2,4 m)

R-VAN Requires Half the Models to Cover 45° to 360°



Offering Valuable Bottom-Line Savings

- Shorter zone run times save water and energy
- Lower precipitation rates reduce wasteful runoff and costly erosion
- Fewer nozzles needed to cover any area, reducing your inventory costs

Strip Nozzles (Left Corner, Side, Right Corner)

R-VAN-LCS 5' x 15'					
Nozzle	Pressure psi	Size ft.	Flow gpm	— Precip In/h	▲ Precip In/h
Left Corner Strip	30	4'x14'	0.18	0.62	0.62
	35	5'x15'	0.22	0.56	0.56
	40	5'x15'	0.23	0.59	0.59
	45	5'x15'	0.24	0.62	0.62
	50	5'x15'	0.25	0.64	0.64
	55	6'x16'	0.28	0.56	0.56

R-VAN-LCS 1.5 x 4.6m METRIC					
Nozzle	Pressure bar	Size 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-VAN-SST 5' x 30'					
Nozzle	Pressure psi	Size ft.	Flow gpm	— Precip In/h	▲ Precip In/h
Side Strip	30	4'x28'	0.36	0.62	0.62
	35	5'x30'	0.44	0.56	0.56
	40	5'x30'	0.46	0.59	0.59
	45	5'x30'	0.48	0.62	0.62
	50	5'x30'	0.50	0.64	0.64
	55	6'x32'	0.56	0.56	0.56

R-VAN-SST 1.5 x 9.1m METRIC					
Nozzle	Pressure bar	Size 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-VAN-RCS 5' x 15'					
Nozzle	Pressure psi	Size ft.	Flow gpm	— Precip In/h	▲ Precip In/h
Right Corner Strip	30	4'x14'	0.18	0.62	0.62
	35	5'x15'	0.22	0.56	0.56
	40	5'x15'	0.23	0.59	0.59
	45	5'x15'	0.24	0.62	0.62
	50	5'x15'	0.25	0.64	0.64
	55	6'x16'	0.28	0.56	0.56

R-VAN-RCS 1.5 x 4.6m METRIC					
Nozzle	Pressure bar	Size 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

Note: All R-VAN nozzles tested on 4" (10.2 cm) pop-ups
Performance data taken in zero wind conditions

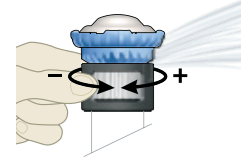
— Straight-line spacing based on 50% overlap of throw for LCS, SST, and RCS
▲ Triangular spacing based on 50% overlap of throw for LCS, SST, and RCS

Easy Adjustments

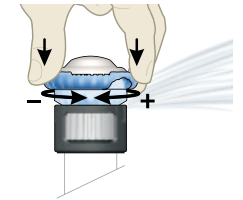
Adjustable Arc Nozzles

R-VAN14, R-VAN18, R-VAN24

RADIUS ADJUSTMENT



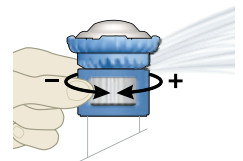
ARC ADJUSTMENT



Full Circle Nozzles

R-VAN14-360, R-VAN18-360, RVAN24-360

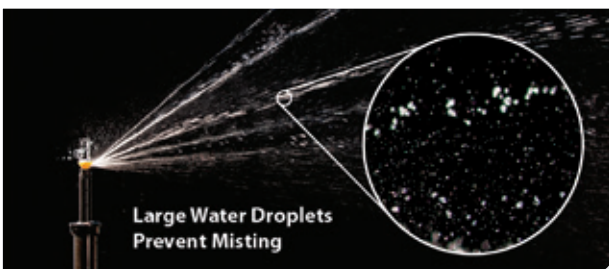
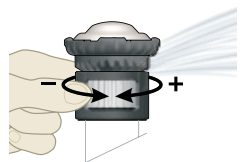
RADIUS ADJUSTMENT



Strip Nozzles

R-VAN-LCS, R-VAN-RCS, R-VAN-SST

SIZE ADJUSTMENT



Improving Watering Efficiencies Up to 30%

- Gentle, rotating streams create uniform coverage at lower precipitation rates
- Multi-stream technology optimizes absorption for healthier lawns
- Larger droplets and thicker streams cut through wind and keep water in target zone