8' to 14' (2.4m to 4.6m) | **13' to 18'** (4.0m to 5.5m) | **17' to 24'** (5.2m to 7.3m) | **Strip Nozzles**


R-VAN14
45° - 270°


R-VAN14-360
360°


R-VAN18
45° - 270°


R-VAN18-360
360°


R-VAN24
45° - 270°


R-VAN24-360
360°


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

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
	55	15	1.17	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
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
	3.8	4.6	4.43	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
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-VAN18-360: "Do not reduce the radius below 8' (2,4 m)

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

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
	55	18	1.62	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
	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
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
	3.8	5.5	6.13	0	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
	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
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°

R-VAN

45° - 270° 360°

Competitor

45° - 105° 90° - 210° 210° - 270° 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

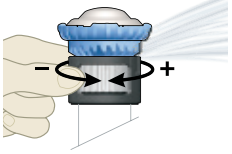
Note: *All R-VAN nozzles tested on 4" (10.2 cm) pop-ups*
Performance data taken in zero wind conditions

– *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*

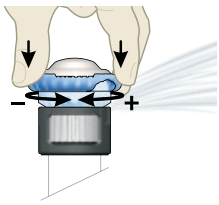
Easy Adjustments

Adjustable Arc Nozzles
R-VAN14, R-VAN18, R-VAN24

RADIUS ADJUSTMENT

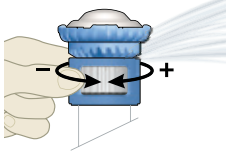


ARC ADJUSTMENT



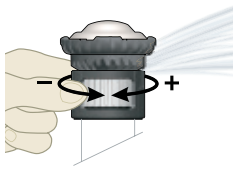
Full Circle Nozzles
R-VAN14-360, R-VAN18-360, RVAN24-360

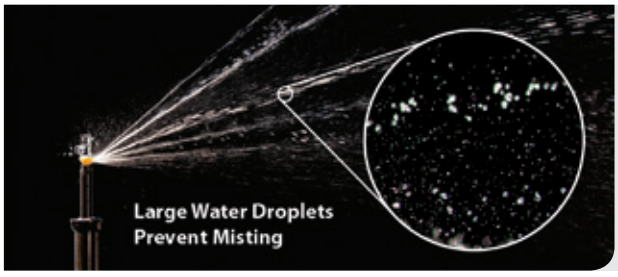
RADIUS ADJUSTMENT



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