

Rain Bird Complete Nozzle Solutions



ROTARY NOZZLES

Use with 1800-P45 or RD1800-P45



HE-VAN SERIES NOZZLES

Use with 1800-PRS or RD1800-PRS



VAN SERIES NOZZLES

Use with 1800 or 1800-PRS



MPR SERIES NOZZLES

Use with 1800 or 1800-PRS

Adjustable Arc Nozzles (45° to 270°)

R-VAN14 2.4 to 4.6m						
Nozzle	Pressure bar	Radius m	Flow l/m	Flow l/h	Precip mm/h	Precip mm/h
270°	2.1	4.0	3.18	16	19	19
	2.4	4.0	3.29	17	19	19
	2.8	4.3	3.48	15	18	18
	3.4	4.6	3.56	16	18	18
	3.8	4.6	3.62	16	19	19
	3.8	4.6	4.43	17	20	20
210°	2.1	4.0	2.46	16	19	19
	2.4	4.0	2.57	17	19	19
	2.8	4.3	2.73	15	18	18
	3.1	4.3	2.76	16	18	18
	3.4	4.6	3.26	16	19	19
	3.8	4.6	3.44	17	20	20
180°	2.1	4.0	2.12	16	19	19
	2.4	4.0	2.20	17	19	19
	2.8	4.3	2.31	15	18	18
	3.1	4.3	2.38	16	18	18
	3.4	4.6	2.80	16	19	19
	3.8	4.6	2.95	17	20	20
90°	2.1	4.0	1.06	16	19	19
	2.4	4.0	1.10	17	19	19
	2.8	4.3	1.17	16	19	19
	3.1	4.3	1.21	15	18	18
	3.4	4.6	1.40	16	19	19
	3.8	4.6	1.48	17	20	20

Full Circle Nozzles (360°)

R-VAN14 2.4 to 4.6m						
Nozzle	Pressure bar	Radius m	Flow l/m	Flow l/h	Precip mm/h	Precip mm/h
360°	2.1	4.0	4.16	16	18	18
	2.4	4.0	4.24	16	19	19
	2.8	4.3	4.62	15	18	18
	3.1	4.3	4.81	16	18	18
	3.4	4.6	5.34	15	18	18
	3.8	4.6	5.49	16	18	18

R-VAN18 4.0 to 5.5m						
Nozzle	Pressure bar	Radius m	Flow l/m	Flow l/h	Precip mm/h	Precip mm/h
360°	2.1	4.9	6.25	16	18	18
	2.4	4.9	6.32	16	19	19
	2.8	5.2	6.81	15	18	18
	3.1	5.2	7.00	16	18	18
	3.4	5.5	7.76	15	18	18
	3.8	5.5	7.99	16	18	18

R-VAN18 4.0 to 5.5m						
Nozzle	Pressure bar	Radius m	Flow l/m	Flow l/h	Precip mm/h	Precip mm/h
270°	2.1	4.9	4.77	17	19	19
	2.4	4.9	5.11	16	19	19
	2.8	5.2	5.38	16	19	19
	3.1	5.2	5.72	16	19	19
	3.4	5.5	5.94	15	18	18
	3.8	5.5	6.13	0	18	18
210°	2.1	4.9	3.71	16	19	19
	2.4	4.9	3.44	16	19	19
	2.8	5.2	4.16	16	19	19
	3.1	5.2	4.43	16	20	20
	3.4	5.5	4.62	16	18	18
	3.8	5.5	4.77	16	18	18
180°	2.1	4.9	3.22	17	19	19
	2.4	4.9	3.44	16	19	19
	2.8	5.2	3.71	16	19	19
	3.1	5.2	3.82	16	19	19
	3.4	5.5	4.05	15	18	18
	3.8	5.5	4.13	15	18	18
90°	2.1	4.9	1.59	17	19	19
	2.4	4.9	1.78	16	19	19
	2.8	5.2	1.89	16	19	19
	3.1	5.2	1.89	16	19	19
	3.4	5.5	2.04	15	18	18
	3.8	5.5	2.20	15	18	18

R-VAN24 5.2 to 7.3m						
Nozzle	Pressure bar	Radius m	Flow l/m	Flow l/h	Precip mm/h	Precip mm/h
360°	2.1	5.8	8.90	16	18	18
	2.4	6.1	9.54	15	18	18
	2.8	6.7	11.85	16	18	18
	3.1	7.0	13.17	16	19	19
	3.4	7.3	13.67	15	18	18
	3.8	7.3	14.16	16	18	18

Strip Nozzles (Left Corner, Side, Right Corner)

R-VAN-LCS 1.5 x 4.6m						
Nozzle	Pressure bar	Size m	Flow l/m	Precip mm/h	Precip mm/h	Precip mm/h
Left Corner Strip	2.1	1.2x4.3	0.68	16	16	16
	2.4	1.5x4.6	0.83	14	14	14
	2.8	1.5x4.6	0.87	15	15	15
	3.1	1.5x4.6	0.91	16	16	16
	3.4	1.5x4.6	0.95	16	16	16
	3.8	1.8x4.9	1.06	14	14	14

R-VAN-SST 1.5 x 9.1m						
Nozzle	Pressure bar	Size m	Flow l/m	Precip mm/h	Precip mm/h	Precip mm/h
Side Strip	2.1	1.2x8.5	1.36	16	16	16
	2.4	1.5x9.1	1.67	14	14	14
	2.8	1.5x9.1	1.74	15	15	15
	3.1	1.5x9.1	1.82	16	16	16
	3.4	1.5x9.1	1.89	16	16	16
	3.8	1.8x9.8	2.12	14	14	14

R-VAN-RCS 1.5 x 4.6m						
Nozzle	Pressure bar	Size m	Flow l/m	Precip mm/h	Precip mm/h	Precip mm/h
Right Corner Strip	2.1	1.2x4.3	0.68	16	16	16
	2.4	1.5x4.6	0.83	14	14	14
	2.8	1.5x4.6	0.87	15	15	15
	3.1	1.5x4.6	0.91	16	16	16
	3.4	1.5x4.6	0.95	16	16	16
	3.8	1.8x4.9	1.06	14	14	14

R-VAN24 5.2 to 7.3m						
Nozzle	Pressure bar	Radius m	Flow l/m	Flow l/h	Precip mm/h	Precip mm/h
270°	2.1	5.8	6.81	16	19	19
	2.4	6.1	7.38	16	18	18
	2.8	6.7	8.74	15	18	18
	3.1	7.0	9.54	15	18	18
	3.4	7.3	10.67	16	19	19
	3.8	7.3	10.90	16	19	19
210°	2.1	6.1	5.75	16	18	18
	2.4	6.7	6.81	15	18	18
	2.8	7.4	7.42	15	18	18
	3.1	7.3	8.29	16	19	19
	3.4	7.3	8.48	16	19	19
	3.8	7.3	8.54	16	19	19
180°	2.1	6.1	4.54	16	19	19
	2.4	6.7	5.83	15	18	18
	2.8	7.0	6.36	15	18	18
	3.1	7.3	7.12	16	19	19
	3.4	7.3	7.27	16	19	19
	3.8	7.3	7.27	16	19	19
90°	2.1	5.8	2.27	16	19	19
	2.4	6.1	2.46	16	19	19
	2.8	6.7	2.91	15	18	18
	3.1	7.0	3.18	15	18	18
	3.4	7.3	3.56	16	19	19
	3.8	7.3	3.63	16	19	19

Note: All R-VAN nozzles tested on 10.2 cm (4") pop-ups
 ■ Square spacing based on 50% diameter of throw
 ▲ Triangular spacing based on 50% diameter of throw
 ▲ Triangular spacing based on 50% overlap of throw for LCS, SST, and RCS
 - Straight-line spacing based on 50% overlap of throw for LCS, SST, and RCS
 Performance data taken in zero wind conditions
 R-VAN24 and R-VAN24-360: Do not reduce the radius below 5.2 m
 R-VAN18 and R-VAN18-360: Do not reduce the radius below 4.0 m
 R-VAN14 and R-VAN14-360: Do not reduce the radius below 2.4 m

8 Series HE-VAN						
Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/m	Precip mm/h	Precip mm/h
360° Arc	15	5	0.83	3.19	3.68	2.86
	20	6	0.96	0.86	2.56	2.95
	25	7	1.07	1.07	2.10	2.42
	30	8	1.17	1.17	1.76	2.03
270° Arc	15	5	0.62	0.62	3.19	3.68
	20	6	0.72	0.72	2.56	2.95
	25	7	0.80	0.80	2.10	2.42
	30	8	0.88	0.88	1.76	2.03
180° Arc	15	5	0.41	0.41	3.19	3.68
	20	6	0.48	0.48	2.56	2.95
	25	7	0.53	0.53	2.10	2.42
	30	8	0.59	0.59	1.76	2.03
90° Arc	15	5	0.21	0.21	3.19	3.68
	20	6	0.24	0.24	2.56	2.95
	25	7	0.27	0.27	2.10	2.42
	30	8	0.29	0.29	1.76	2.03

10 Series HE-VAN						
Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/m	Precip mm/h	Precip mm/h
360° Arc	15	7	1.26	1.26	2.48	2.86
	20	8	1.46	1.46	2.19	2.53
	25	9	1.63	1.63	1.94	2.24
	30	10	1.78	1.78	1.72	1.98
270° Arc	15	7	0.95	0.95	2.48	2.86
	20	8	1.09	1.09	2.19	2.53
	25	9	1.22	1.22	1.94	2.24
	30	10	1.34	1.34	1.72	1.98
180° Arc	15	7	0.63	0.63	2.48	2.86
	20	8	0.73	0.73	2.19	2.53
	25	9	0.81	0.81	1.94	2.24
	30	10	0.89	0.89	1.72	1.98
90° Arc	15	7	0.32	0.32	2.48	2.86
	20	8	0.36	0.36	2.19	2.53
	25	9	0.41	0.41	1.94	2.24
	30	10	0.45	0.45	1.72	1.98

12 Series HE-VAN						
Nozzle	Pressure bar	Radius m	Flow m ³ /h	Flow l/m	Precip mm/h	Precip mm/h
360° Arc	15	9	1.67	1.67	1.99	2.30
	20	10	1.93	1.93	1.86	2.15
	25	11	2.16	2.16	1.72	1.99
	30	12	2.37	2.37	1.58	1.83
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