







R-VAN18					
Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
 270° Arc	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	
 180° Arc	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° Arc	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	

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

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

Performance data taken in zero wind conditions
 Note: Radius reduction over 25% of the normal throw of the nozzle is not recommended

Full-Circle Rotary Nozzles

0.6 in/hr Precipitation Rate from 13 to 24 Feet

Features

- Greater distribution uniformity keeps your landscape green without overwatering
- Thick wind-resistant streams and large water droplets resist prevailing winds and maximize water landing in the target zone
- Low 0.6"/hr precipitation reduces or eliminates run-off on slopes and hard clay soils with 35% less run time than the leading competitor
- Matched precipitation rates enable large and small turf areas to be zoned together by mixing R-Series rotary nozzles, R-VAN, and 5000 Series rotors with the MPR nozzle set
- Three-year trade warranty

Operating Range

- Spacing: 13 feet to 24 feet (4.0 m to 7.3 m)¹
- Pressure range: 30 to 55 psi (1.4 to 3.8 bar)
- Recommended Operating Pressure: 45 psi (3.1 bar)²

Models

- Full circle patterns are available to complement the R-VAN product line in two radius ranges:
 - 13' to 18' (4.0m to 5.5m)
 - 17' to 24' (5.2m to 7.3m)

¹ These ranges are based on proper pressure at nozzle

² Rain Bird recommends using 1800 P45 Spray Bodies to maintain optimum nozzle performance in higher pressure situations



Full-Circle Rotary Nozzles meet the requirements of the ASABE/ICC 802-2014 standard			
The average DU(LQ) of the applicable products exceed 0.65 distribution uniformity.			
Product	Type	Radius	DU(LQ)
R-Series	Multi-stream, Fixed Arc	13 - 24 ft.	> 0.70

To view the complete document of compliance for Rain Bird products that have been tested to meet the requirements of the ASABE/ICC 802-2014 standard and the California MWELQ go to: www.rainbird.com/agency/california/MWELQ.htm


How To Specify


R13-18 F


Radius Range: 13'-18' (4.0-5.5 m)
 17'-24' (5.2-7.3 m)


Pattern: F=Full

Model: Rotary Nozzle

R13-18 Series (Black)					
Arc	Pressure psi	Radius* ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
	30	16	1.60	0.61	0.70
	35	16	1.73	0.61	0.70
	40	17	1.85	0.61	0.70
	45	18	1.96	0.61	0.70
	50	18	2.07	0.61	0.70
	55	18	2.17	0.61	0.70

R13-18 Series (Black)						METRIC
Arc	Pressure bar	Radius* m	Flow l/m	■ Precip mm/h	▲ Precip mm/h	
	2.1	4.8	6.06	15	18	
	2.4	5.0	6.54	15	18	
	2.8	5.2	6.99	15	18	
	3.1	5.4	7.42	15	18	
	3.4	5.5	7.82	15	18	
	3.8	5.6	8.20	15	18	

R17-24 Series (Yellow)					
Arc	Pressure psi	Radius* ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
	30	21	3.00	0.65	0.75
	35	22	3.24	0.65	0.75
	40	23	3.46	0.65	0.75
	45	23	3.67	0.65	0.75
	50	24	3.87	0.65	0.75
	55	24	4.06	0.65	0.75

R17-24 Series (Yellow)						METRIC
Arc	Pressure bar	Radius* m	Flow l/m	■ Precip mm/h	▲ Precip mm/h	
	2.1	6.4	11.36	16	19	
	2.4	6.7	12.26	16	19	
	2.8	6.9	13.10	16	19	
	3.1	7.1	13.89	16	19	
	3.4	7.3	14.65	16	19	
	3.8	7.4	15.37	16	19	

Note: All Rotary 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
Note: Radius reduction over 25% of the normal throw of the nozzle is not recommended



Did you know that in the real-world,
Installs Come in All Shapes



HE-VAN Nozzles make installations easy, and water efficient.

- Full 0° to 360° arc adjustable
- No arc drift over time
- Superior coverage: >0.70 DU[LQ]
- Unique wind-resistant pattern



Note: Use HE-VAN nozzles for specialty patterns (previously U-Series T, TT, TQ nozzles).

Did you know R-VAN and R-Series Nozzles are matched precipitation with the 5000 Series MPR Rotors and can be **installed on the same zone?**

Use Rotating Nozzles and Rotors on the same zone!

- Matched precipitation rate (MPR) from 13' to 35'
- Superior coverage – >0.70 DU[LQ]
- Thick, wind-resistant streams – near to far

