

## HE-VAN Series Nozzles

High-Efficiency Variable Arc Spray Nozzles

### Features

- HE-VAN's even coverage allows you to shorten run times by up to 35%, saving you water and money, while still maintaining a healthy lawn. HE-VAN has more than a 40 percent even-coverage improvement over existing variable arc nozzles
- HE-VAN nozzles have a unique stream pattern, designed for superior coverage and wind resistance. Low-trajectory spray and large water droplets prevent misting and airborne evaporation so the right amount of water is delivered to the right place. Gentle close-in watering eliminates dry-spots around the spray head
- HE-VAN nozzles throw to the exact specified radius, delivering the cleanest edge of any VAN on the market today
- Reduced zone run times, compared to competitive nozzles, help stay within tight watering windows, conserve water, and save money
- With full adjustability from 0° to 360°, you'll be able to efficiently water landscapes of all shapes, while saving time and stocking fewer nozzles
- Matched precipitation rates allow you to install Rain Bird HE-VAN, MPR and U-Series nozzles on the same zone
- HE-VAN nozzles have a tactile click to keep the arc setting from drifting over time
- Three year trade warranty

### Operating Range

- Spacing: 1.8 to 4.6m<sup>1</sup>
- Pressure: 1.0 to 2.1 bar
- Optimum pressure: 2.1 bar<sup>2</sup>

### Models

- HE-VAN-08: 1.8 to 2.4 m
- HE-VAN-10: 2.4 to 3.0 m
- HE-VAN-12: 2.7 to 3.7 m
- HE-VAN-15: 3.7 to 4.6 m

<sup>1</sup> These ranges are based on proper pressure at nozzle

<sup>2</sup> Rain Bird recommends using 1800/RD1800 PRS Spray Bodies to maintain optimum nozzle performance in higher pressure situations



Fits on all Rain Bird® 1800® Series Spray Heads, UNI-Spray™ Series Spray Heads and Rain Bird Shrub Adapters

For Optimum Performance, Use Rain Bird 1800 2.1 Bar Regulated or RD1800 2.1 Bar Regulated Spray Bodies



### How to Specify

#### HE-VAN-15

Radius Range  
8: 1.8 to 2.4 m  
10: 2.4 to 3.0 m  
12: 2.7 to 3.7 m  
15: 3.7 to 4.6 m

Feature  
VAN: Variable Arc





Model  
High Efficiency Nozzle



HE-VAN Nozzles meet the standard for high efficiency nozzles.			
The average DU(LQ) of the applicable products exceed 0.65 distribution uniformity.			
Product	Type	Radius	DU(LQ)
HE-VAN	Spray, Variable Arc	1.8m - 4.6m	> 0.70





## 8 Series HE-VAN

24° Trajectory

Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
	1.0	1.5	0.19	3.14	82	95
	1.4	1.8	0.22	3.62	66	76
	1.7	2.1	0.25	4.05	54	62
	2.1	2.4	0.27	4.43	45	52
	1.0	1.5	0.14	2.35	82	95
	1.4	1.8	0.16	2.72	66	76
	1.7	2.1	0.18	3.04	54	62
	2.1	2.4	0.20	3.33	45	52
	1.0	1.5	0.10	1.57	82	95
	1.4	1.8	0.11	1.81	66	76
	1.7	2.1	0.12	2.02	54	62
	2.1	2.4	0.13	2.22	45	52
	1.0	1.5	0.05	0.78	82	95
	1.4	1.8	0.05	0.91	66	76
	1.7	2.1	0.06	1.01	54	62
	2.1	2.4	0.07	1.11	45	52





## 12 Series HE-VAN

23° Trajectory

Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
	1.0	2.7	0.38	6.33	50.5	58.3
	1.4	3.0	0.44	7.31	47.3	54.6
	1.7	3.4	0.49	8.18	43.7	50.4
	2.1	3.7	0.54	8.96	40.2	46.4
	1.0	2.7	0.28	4.75	50.5	58.3
	1.4	3.0	0.33	5.48	47.3	54.6
	1.7	3.4	0.37	6.16	43.7	50.4
	2.1	3.7	0.40	6.72	40.2	46.4
	1.0	2.7	0.19	3.17	50.5	58.3
	1.4	3.0	0.22	3.66	47.3	54.6
	1.7	3.4	0.25	4.09	43.7	50.4
	2.1	3.7	0.27	4.48	40.2	46.4
	1.0	2.7	0.09	1.58	50.5	58.3
	1.4	3.0	0.11	1.83	47.3	54.6
	1.7	3.4	0.12	2.04	43.7	50.4
	2.1	3.7	0.13	2.24	40.2	46.4





## 10 Series HE-VAN

27° Trajectory

Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
	1.0	2.1	0.29	4.78	64	74
	1.4	2.4	0.34	5.52	56	65
	1.7	2.7	0.37	6.17	50	57
	2.1	3.1	0.41	6.76	44	51
	1.0	2.1	0.22	3.59	64	74
	1.4	2.4	0.25	4.14	56	65
	1.7	2.7	0.28	4.63	50	57
	2.1	3.1	0.31	5.07	44	51
	1.0	2.1	0.15	2.39	64	74
	1.4	2.4	0.17	2.76	56	65
	1.7	2.7	0.19	3.09	50	57
	2.1	3.1	0.21	3.38	44	51
	1.0	2.1	0.07	1.20	64	74
	1.4	2.4	0.08	1.38	56	65
	1.7	2.7	0.09	1.54	50	57
	2.1	3.1	0.10	1.69	44	51

## 15 Series HE-VAN

25° Trajectory

Nozzle	Pressure bar	Radius m	Flow m <sup>3</sup> /h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
	1.0	3.4	0.59	9.91	52.9	61.1
	1.4	3.7	0.69	11.44	51.3	59.3
	1.7	4.3	0.77	12.79	42.2	48.7
	2.1	4.6	0.84	14.01	40.2	46.5
	1.0	3.4	0.45	7.43	52.9	61.1
	1.4	3.7	0.51	8.58	51.3	59.3
	1.7	4.3	0.58	9.59	42.2	48.7
	2.1	4.6	0.63	10.51	40.2	46.5
	1.0	3.4	0.30	4.95	52.9	61.1
	1.4	3.7	0.34	5.72	51.3	59.3
	1.7	4.3	0.38	6.39	42.2	48.7
	2.1	4.6	0.42	7.00	40.2	46.5
	1.0	3.4	0.15	2.48	52.9	61.1
	1.4	3.7	0.17	2.86	51.3	59.3
	1.7	4.3	0.19	3.20	42.2	48.7
	2.1	4.6	0.21	3.50	40.2	46.5

**Note:** All HE-VAN nozzles tested on 10 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