

UNI-Spray™ Series

Compact and reliable spray heads for any application

Features

- Small exposed cover makes the unit virtually invisible for more attractive landscapes
- Constructed of durable materials including corrosion resistant stainless steel, assuring long product life even in high pressure or surge conditions
- Pressure-activated wiper seal prevents excessive flow-by and water waste and keeps debris from entering upon retraction
- Two-piece ratchet mechanism allows easy nozzle pattern alignment and provides added durability
- Three Year Trade Warranty

Operating Range (for pre-installed nozzle choices)

- Spacing:
 - 8' HE-VAN Series: 6 to 8 feet (1.8 to 2.4m)
 - 10' HE-VAN Series: 8 to 10 feet (2.4 to 3.0m)
 - 12' HE-VAN Series: 9 to 12 feet (2.7 to 3.7m)
 - 15' HE-VAN Series: 12 to 15 feet (3.7 to 4.6m)
- Pressure: 15 to 70 psi (1.0 to 4.8 bar)
- Optimum pressure: 30 psi (2.1 bar)
- Adjustable nozzle arc range: 0° - 360°

Specifications

- Flow-by: 0 at 10 psi (0.75 bar) or greater; 0.20 gpm (0.04 m³/h; 0.60 l/m) otherwise

Models*

- US400: 4" pop-up height (10.2cm)

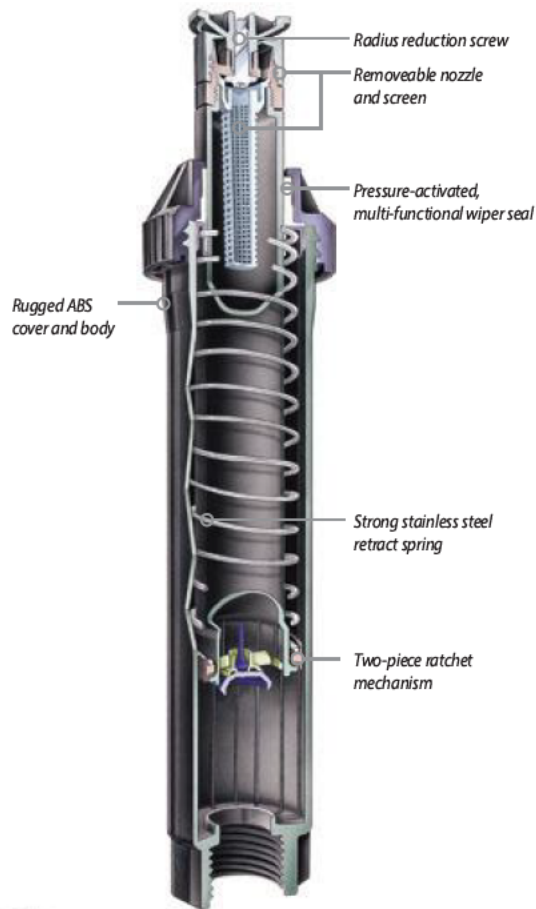
Models with High-Efficiency Nozzles Pre-Attached*

- US408HE: 4" pop-up height (10.2cm) with HE-VAN-08 attached
- US410HE: 4" pop-up height (10.2cm) with HE-VAN-10 attached
- US412HE: 4" pop-up height (10.2cm) with HE-VAN-12 attached
- US415HE: 4" pop-up height (10.2cm) with HE-VAN-15 attached

* The UNI-Spray accepts all Rain Bird nozzles



High Efficiency
Variable Arc Nozzles
(8, 10, 12, or 15 feet) are
available pre-installed



UNI-Spray™

How to Specify

US - 4 - 10HE

Model
UNI-Spray

Body
4" (10.2 cm)

Nozzle Series/Pattern
HE-VAN nozzle

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: 6 to 15 feet (1.8 to 4.6m)¹
- Pressure: 15 to 30 psi (1.0 to 2.1 bar)
- Optimum pressure: 30 psi (2.1 bar)²

Models

- HE-VAN-08: 6 to 8 feet (1.8 to 2.4 m)
- HE-VAN-10: 8 to 10 feet (2.4 to 3.0 m)
- HE-VAN-12: 9 to 12 feet (2.7 to 3.7 m)
- HE-VAN-15: 12 to 15 feet (3.7 to 4.6 m)

¹ These ranges are based on proper pressure at nozzle

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



Available in popular 8', 10', 12' and 15' models

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 30 PSI Regulated or RD1800 30 PSI Regulated Spray Bodies



How to Specify

HE-VAN-15

Radius Range
8: 6 to 8 feet (1.8 to 2.4 m)
10: 8 to 10 feet (2.4 to 3.0 m)
12: 9 to 12 feet (2.7 to 3.7 m)
15: 12 to 15 feet (3.7 to 4.6 m)

Feature
VAN: Variable Arc

Model
High Efficiency Nozzle











HE-VAN 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) |
|---------|---------------------|------------|--------|
| HE-VAN | Spray, Variable Arc | 6 - 15 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 MWELO go to: www.rainbird.com/agency/mwelo

| 8 Series HE-VAN | | | | | |
|---|--------------|------------|----------|-------------|-------------|
| 24° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
| 360° Arc  | 15 | 5 | 0.83 | 3.19 | 3.68 |
| | 20 | 6 | 0.96 | 2.56 | 2.95 |
| | 25 | 7 | 1.07 | 2.10 | 2.42 |
| | 30 | 8 | 1.17 | 1.76 | 2.03 |
| 270° Arc  | 15 | 5 | 0.62 | 3.19 | 3.68 |
| | 20 | 6 | 0.72 | 2.56 | 2.95 |
| | 25 | 7 | 0.80 | 2.10 | 2.42 |
| | 30 | 8 | 0.88 | 1.76 | 2.03 |
| 180° Arc  | 15 | 5 | 0.41 | 3.19 | 3.68 |
| | 20 | 6 | 0.48 | 2.56 | 2.95 |
| | 25 | 7 | 0.53 | 2.10 | 2.42 |
| | 30 | 8 | 0.59 | 1.76 | 2.03 |
| 90° Arc  | 15 | 5 | 0.21 | 3.19 | 3.68 |
| | 20 | 6 | 0.24 | 2.56 | 2.95 |
| | 25 | 7 | 0.27 | 2.10 | 2.42 |
| | 30 | 8 | 0.29 | 1.76 | 2.03 |

| 8 Series HE-VAN | | | | | | METRIC |
|---|--------------|----------|-----------|----------|-------------|-------------|
| 24° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/h | Flow l/m | Precip mm/h | Precip mm/h |
| 360° Arc  | 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 |
| 270° Arc  | 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 |
| 180° Arc  | 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 |
| 90° Arc  | 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 |





Spray & Rotary Nozzles





| 10 Series HE-VAN | | | | | |
|---|--------------|------------|----------|-------------|-------------|
| 27° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
| 360° Arc  | 15 | 7 | 1.26 | 2.48 | 2.86 |
| | 20 | 8 | 1.46 | 2.19 | 2.53 |
| | 25 | 9 | 1.63 | 1.94 | 2.24 |
| | 30 | 10 | 1.78 | 1.72 | 1.98 |
| 270° Arc  | 15 | 7 | 0.95 | 2.48 | 2.86 |
| | 20 | 8 | 1.09 | 2.19 | 2.53 |
| | 25 | 9 | 1.22 | 1.94 | 2.24 |
| | 30 | 10 | 1.34 | 1.72 | 1.98 |
| 180° Arc  | 15 | 7 | 0.63 | 2.48 | 2.86 |
| | 20 | 8 | 0.73 | 2.19 | 2.53 |
| | 25 | 9 | 0.81 | 1.94 | 2.24 |
| | 30 | 10 | 0.89 | 1.72 | 1.98 |
| 90° Arc  | 15 | 7 | 0.32 | 2.48 | 2.86 |
| | 20 | 8 | 0.36 | 2.19 | 2.53 |
| | 25 | 9 | 0.41 | 1.94 | 2.24 |
| | 30 | 10 | 0.45 | 1.72 | 1.98 |





| 10 Series HE-VAN | | | | | | METRIC |
|---|--------------|----------|-----------|----------|-------------|-------------|
| 27° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/h | Flow l/m | Precip mm/h | Precip mm/h |
| 360° Arc  | 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 |
| 270° Arc  | 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 |
| 180° Arc  | 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 |
| 90° Arc  | 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 |





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

| 12 Series HE-VAN | | | | | |
|---|--------------|------------|----------|-------------|-------------|
| 23° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
|  | 15 | 9 | 1.67 | 1.99 | 2.30 |
| | 20 | 10 | 1.93 | 1.86 | 2.15 |
| | 25 | 11 | 2.16 | 1.72 | 1.99 |
| | 30 | 12 | 2.37 | 1.58 | 1.83 |
|  | 15 | 9 | 1.25 | 1.99 | 2.30 |
| | 20 | 10 | 1.45 | 1.86 | 2.15 |
| | 25 | 11 | 1.62 | 1.72 | 1.99 |
| | 30 | 12 | 1.77 | 1.58 | 1.83 |
|  | 15 | 9 | 0.84 | 1.99 | 2.30 |
| | 20 | 10 | 0.97 | 1.86 | 2.15 |
| | 25 | 11 | 1.08 | 1.72 | 1.99 |
| | 30 | 12 | 1.18 | 1.58 | 1.83 |
|  | 15 | 9 | 0.42 | 1.99 | 2.30 |
| | 20 | 10 | 0.48 | 1.86 | 2.15 |
| | 25 | 11 | 0.54 | 1.72 | 1.99 |
| | 30 | 12 | 0.59 | 1.58 | 1.83 |

| 12 Series HE-VAN | | | | | | METRIC |
|---|--------------|----------|-----------|----------|-------------|-------------|
| 23° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/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 |

| 15 Series HE-VAN | | | | | |
|---|--------------|------------|----------|-------------|-------------|
| 25° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
|  | 15 | 11 | 2.62 | 2.08 | 2.40 |
| | 20 | 12 | 3.02 | 2.02 | 2.33 |
| | 25 | 14 | 3.38 | 1.66 | 1.92 |
| | 30 | 15 | 3.70 | 1.58 | 1.83 |
|  | 15 | 11 | 1.96 | 2.08 | 2.40 |
| | 20 | 12 | 2.27 | 2.02 | 2.33 |
| | 25 | 14 | 2.53 | 1.66 | 1.92 |
| | 30 | 15 | 2.78 | 1.58 | 1.83 |
|  | 15 | 11 | 1.31 | 2.08 | 2.40 |
| | 20 | 12 | 1.51 | 2.02 | 2.33 |
| | 25 | 14 | 1.69 | 1.66 | 1.92 |
| | 30 | 15 | 1.85 | 1.58 | 1.83 |
|  | 15 | 11 | 0.65 | 2.08 | 2.40 |
| | 20 | 12 | 0.76 | 2.02 | 2.33 |
| | 25 | 14 | 0.84 | 1.66 | 1.92 |
| | 30 | 15 | 0.93 | 1.58 | 1.83 |

| 15 Series HE-VAN | | | | | | METRIC |
|---|--------------|----------|-----------|----------|-------------|-------------|
| 25° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/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 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