Rain Bird® R-VAN Adjustable Rotary Nozzles save more water, are easier to use, and are lower priced compared to leading rotating nozzles. R-VANs thick streams and large water droplets cut through the wind to deliver water where you want it. R-VANs are easier to use thanks to its hand-adjustable arc and radius. R-VANs are also 23% lower list priced and require half the SKUs to achieve 45° to 360° coverage vs. the leading rotating nozzle brand.

Features
- Matched precipitation across radius, arcs, and pattern types
- Low precipitation rate reduces run-off and erosion
- Adjust arc and radius without tools
- A pull-up to flush feature clears the nozzle of dirt and debris
- Color coded and laser marked for easy identification of R-VAN model
- Maintains efficient performance at high operating pressures without misting or fogging
- Compatible with all models of Rain Bird spray bodies, risers and adapters
- Installing with Rain Bird 5000 MPR Series Rotors allows for matched precipitation from 8' to 35' (2.4m to 10.7m)
- Three year trade warranty

Operating Range
- Pressure Range: 30 to 55 psi (2.1 to 3.8 bar)
- Recommended Operating Pressure: 45 psi (3.1 bar)
- Spacing: 8' to 24' (2.4 to 7.3m)
- Adjustments: Arc and radius should be adjusted while water is running

Models
- 8' - 14' (2.4 to 4.6m):
  - R-VAN14: 45° - 270° Adjustable Arc
  - R-VAN14-360: 360° Full Circle
- 13' - 18' (4.0 to 5.5m):
  - R-VAN18: 45° - 270° Adjustable Arc
  - R-VAN18-360: 360° Full Circle
- 17' - 24' (5.2 to 7.3m):
  - R-VAN24: 45° - 270° Adjustable Arc
  - R-VAN24-360: 360° Full Circle

Strip Nozzles:
- R-VAN-LCS: 5' x 15' (1.5 x 4.6m) Left Corner Strip
- R-VAN-RCS: 5' x 15' (1.5 x 4.6m) Right Corner Strip
- R-VAN-SST: 5' x 30' (1.5 x 9.1m) Side Strip

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
## Adjustable Arc Nozzles (45° to 270°)

<table>
<thead>
<tr>
<th>R-VAN14</th>
<th>8'- 14' (2.4 to 4.6m)</th>
<th>R-VAN18</th>
<th>13'- 18' (4.0 to 5.5m)</th>
<th>R-VAN24</th>
<th>17'- 24' (5.2 to 7.3m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>270°</td>
<td>30 13 0.84 0.64 0.76</td>
<td>35 13 0.87 0.64 0.74</td>
<td>40 14 0.92 0.60 0.71</td>
<td>45 14 0.94 0.62 0.70</td>
<td>50 15 1.11 0.63 0.73</td>
</tr>
<tr>
<td>210°</td>
<td>30 13 0.65 0.64 0.76</td>
<td>35 13 0.68 0.64 0.74</td>
<td>40 14 0.72 0.60 0.71</td>
<td>45 14 0.73 0.62 0.70</td>
<td>50 15 0.86 0.63 0.73</td>
</tr>
<tr>
<td>180°</td>
<td>30 13 0.56 0.64 0.76</td>
<td>35 13 0.58 0.64 0.74</td>
<td>40 14 0.61 0.60 0.71</td>
<td>45 14 0.63 0.62 0.70</td>
<td>50 15 0.74 0.63 0.73</td>
</tr>
<tr>
<td>90°</td>
<td>30 13 0.28 0.64 0.76</td>
<td>35 13 0.29 0.64 0.74</td>
<td>40 14 0.31 0.62 0.71</td>
<td>45 14 0.32 0.61 0.70</td>
<td>50 15 0.37 0.63 0.73</td>
</tr>
</tbody>
</table>

## Full Circle Nozzles (360°)

<table>
<thead>
<tr>
<th>R-VAN14-360</th>
<th>8'- 14' (2.4 to 4.6m)</th>
<th>R-VAN18-360</th>
<th>13'- 18' (4.0 to 5.5m)</th>
<th>R-VAN24-360</th>
<th>17'- 24' (5.2 to 7.3m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>360°</td>
<td>30 13 1.10 0.63 0.72</td>
<td>35 13 1.12 0.64 0.74</td>
<td>40 14 1.27 0.62 0.72</td>
<td>45 14 1.27 0.62 0.72</td>
<td>50 15 1.41 0.60 0.70</td>
</tr>
</tbody>
</table>

## Strip Nozzles (Left Corner, Side, Right Corner)

<table>
<thead>
<tr>
<th>R-VAN-LCS</th>
<th>5’ x 15’ (1.5 x 4.6m)</th>
<th>R-VAN-SST</th>
<th>5’ x 30’ (1.5 x 9.1m)</th>
<th>R-VAN-RCS</th>
<th>5’ x 15’ (1.5 x 4.6m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left</td>
<td>30 4x14</td>
<td>0.18 0.62 0.62</td>
<td>35 4x14</td>
<td>0.18 0.62 0.62</td>
<td>40 5x15</td>
</tr>
<tr>
<td>Corner</td>
<td>30 5x15</td>
<td>0.22 0.56 0.56</td>
<td>35 5x15</td>
<td>0.25 0.56 0.56</td>
<td>40 5x15</td>
</tr>
<tr>
<td>Strip</td>
<td>35 5x15</td>
<td>0.24 0.62 0.62</td>
<td>35 5x15</td>
<td>0.24 0.62 0.62</td>
<td>45 5x30</td>
</tr>
<tr>
<td></td>
<td>40 5x30</td>
<td>0.36 0.62 0.62</td>
<td>40 5x30</td>
<td>0.46 0.59 0.59</td>
<td>50 5x30</td>
</tr>
<tr>
<td></td>
<td>55 6x16</td>
<td>0.28 0.56 0.56</td>
<td>55 6x16</td>
<td>0.56 0.56 0.56</td>
<td></td>
</tr>
</tbody>
</table>

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

R-VAN24 and R-VAN24-360: Do not reduce the radius below 17’.
R-VAN18 and R-VAN18-360: Do not reduce the radius below 13’.
R-VAN14 and R-VAN14-360: Do not reduce the radius below 8’.

- Square spacing based on 50% diameter of throw for 14’, 18’, and 24’.
- Triangular spacing based on 50% diameter of throw for 14’, 18’, and 24’.
- 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.
R-VAN Adjustable Rotary Nozzles

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

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

Strip Nozzles
R-VAN-LCS, R-VAN-RCS, R-VAN-SST

All Models

No Tools Required

Recommended immediately after installation

Pull UP to Flush
Specifications

- The R-VAN nozzle shall have a variable arc that is adjustable without a tool at specified operating pounds per square inch (bar).
- The R-VAN nozzle shall have a radius that is adjustable without a tool at specified operating pounds per square inch (bar).
- The R-VAN nozzle shall have multiple arced streams and have a matched precipitation rate of ___ in/h (mm/h).
- The R-VAN nozzle shall have a variable arc of 45° to 270°.
- The R-VAN nozzle variable arc shall be capable of covering a ___ foot (meter) radius at ___ pounds per square inch (bar).
- The R-VAN nozzle shall have a discharge rate of ___ gallons per minute (l/m).
- The R-VAN nozzle angle of the trajectory shall vary from 4 to 34°.
- The R-VAN nozzle shall be constructed of UV-resistant plastic. The protective metal cap shall be of stainless steel.
- The R-VAN nozzle shall include a removable mesh screen to protect the nozzle against clogging. Nozzles include a green screen (58 mesh / 305 Microns), or a white screen (35 mesh / 508 Microns) depending on the model.
- The R-VAN nozzle shall have a precipitation rate matched with Rain Bird 5000 Series MPR Rotor Nozzles.
- The R-VAN nozzle shall have a 3 year trade warranty.

Performance Data Notes

- R-VAN tested on 4 inch (10.2cm) spray bodies.
- Performance data taken in zero wind conditions.
- Radius refers to recommended spacing to achieve optimal precipitation rate and distribution uniformity with head to head spacing.
- Square spacing based on 50% diameter of throw.
- Triangular spacing based on 50% diameter of throw.
- Single row applications are not recommended.
- Installation on Rain Bird 1800SAM-P45 spray bodies recommended in sandy environments.
- Performance data derived from tests that conform with ASAE and ASABE Standards; ASAE S398.1; ASABE/ICC 802-2014.

How To Specify

<table>
<thead>
<tr>
<th>Model</th>
<th>Radius Range</th>
<th>Strip Nozzles</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-VAN14</td>
<td>8’ - 14’ (2.4 to 4.6m)</td>
<td>R-VAN-LCS: 5’ x 15’ (1.5 x 4.6m)</td>
</tr>
<tr>
<td>R-VAN14-360</td>
<td>45° - 270°</td>
<td></td>
</tr>
<tr>
<td>R-VAN18</td>
<td>13’ - 18’ (4.0 to 5.5m)</td>
<td></td>
</tr>
<tr>
<td>R-VAN18-360</td>
<td>45° - 270°</td>
<td>R-VAN-RCS: 5’ x 15’ (1.5 x 4.6m)</td>
</tr>
<tr>
<td>R-VAN24</td>
<td>17’ - 24’ (5.2 to 7.3m)</td>
<td></td>
</tr>
<tr>
<td>R-VAN24-360</td>
<td>45° - 270°</td>
<td>R-VAN-SS: 5’ x 30’ (1.5 x 9.1m)</td>
</tr>
</tbody>
</table>

For Optimum Performance, Use Rain Bird 1800 or RD1800 Spray Bodies with 45 PSI (3.1bar) Pressure Regulation