

Variable Arc Nozzles (VANs)

Adjustable nozzles for all standard and irregular-shaped turf and shrub areas. Fit all Rain Bird spray heads and shrub adapters.

Features

- Easy arc adjustment from 0° to 360° for 10-, 12-, 15- and 18 VAN; 0° to 330° for 4-, 6- and 8 VAN.
- Simple twist of center collar increases or decreases arc setting.
- No special tools required.
- Stainless steel adjustment screw to adjust flow and radius.
- Ideal for watering odd-shaped areas.
- 12-, 15-, and 18 VAN have matched precipitation rates with Rain Bird MPR Nozzles.
- Shipped with blue filter screen (.02 x .02) to maintain precise radius adjustment and prevent clogging.

Models

- 4-VAN
- 6-VAN
- 8-VAN
- 10-VAN
- 12-VAN
- 15-VAN
- 18-VAN

Operating Range

- Radius: *
 - 4-VAN: 3 to 4 feet (0,9 to 1,2 m)
 - 6-VAN: 4 to 6 feet (1,2 to 1,8 m)
 - 8-VAN: 6 to 8 feet (1,8 to 2,4 m)
 - 10-VAN: 8 to 10 feet (2,4 to 3,0 m)
 - 12-VAN: 10 to 12 feet (3,0 to 3,7 m)
 - 15-VAN: 12 to 15 feet (3,7 to 4,6 m)
 - 18-VAN: 14 to 18 feet (4,3 to 5,5 m)
- Pressure: 15 to 30 psi (1 to 2,1 bar)
- Optimum pressure: 30 psi (2,1 bar)

*These ranges are based on proper pressure at nozzle.

Specifications

4, 6, 8, 10, 12, 15 and 18 Series VAN Nozzles

The plastic VAN nozzle shall be constructed of UV resistant plastic. The radius adjustment screw shall be constructed of stainless steel.

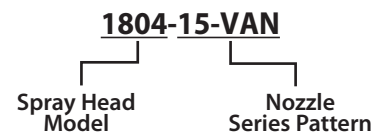
The nozzle shall accept the Rain Bird blue filter screen to allow for radius adjustment.

The plastic VAN nozzles shall be manufactured by Rain Bird Corporation, Azusa, California.











Simply twist collar to adjust arc pattern





How to Specify/Order











This specifies an 1800 Series spray head with 4" (10 cm) pop-up height; 15 Series Variable Arc Nozzle providing 0° - 360° coverage.





| 4 Series VAN | | | | | | |
|--|--------------|------------|----------|---------------|---------------|--|
| 0° Trajectory | | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | ■ Precip In/h | ▲ Precip In/h | |
| 330° Arc  | 15 | 3 | 0.62 | 7.23 | 8.35 | |
| | 20 | 3 | 0.70 | 8.17 | 9.43 | |
| | 25 | 4 | 0.80 | 5.25 | 6.06 | |
| | 30 | 4 | 0.88 | 5.78 | 6.67 | |
| 270° Arc  | 15 | 3 | 0.52 | 7.42 | 8.57 | |
| | 20 | 3 | 0.58 | 8.27 | 9.55 | |
| | 25 | 4 | 0.66 | 5.29 | 6.11 | |
| | 30 | 4 | 0.73 | 5.86 | 6.77 | |
| 180° Arc  | 15 | 3 | 0.32 | 6.84 | 7.90 | |
| | 20 | 3 | 0.37 | 7.91 | 9.13 | |
| | 25 | 4 | 0.41 | 4.93 | 5.69 | |
| | 30 | 4 | 0.45 | 5.41 | 6.25 | |
| 90° Arc  | 15 | 3 | 0.21 | 8.98 | 10.37 | |
| | 20 | 3 | 0.24 | 10.27 | 11.86 | |
| | 25 | 4 | 0.26 | 6.26 | 7.23 | |
| | 30 | 4 | 0.29 | 6.98 | 8.06 | |

| 4 Series VAN METRIC | | | | | | |
|--|--------------|----------|-----------|----------|---------------|---------------|
| 0° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/h | Flow l/m | ■ Precip mm/h | ▲ Precip mm/h |
| 330° Arc  | 1,0 | 0,9 | 0,14 | 2,3 | 189 | 218 |
| | 1,5 | 1,0 | 0,17 | 2,8 | 183 | 215 |
| | 2,0 | 1,2 | 0,20 | 3,3 | 152 | 176 |
| | 2,1 | 1,2 | 0,20 | 3,3 | 152 | 176 |
| 270° Arc  | 1,0 | 0,9 | 0,12 | 2,0 | 198 | 229 |
| | 1,5 | 1,0 | 0,14 | 2,3 | 187 | 216 |
| | 2,0 | 1,2 | 0,16 | 2,7 | 148 | 171 |
| | 2,1 | 1,2 | 0,17 | 2,8 | 157 | 181 |
| 180° Arc  | 1,0 | 0,9 | 0,07 | 1,2 | 173 | 200 |
| | 1,5 | 1,0 | 0,09 | 1,5 | 180 | 208 |
| | 2,0 | 1,2 | 0,10 | 1,7 | 139 | 161 |
| | 2,1 | 1,2 | 0,10 | 1,7 | 139 | 161 |
| 90° Arc  | 1,0 | 0,9 | 0,05 | 0,8 | 247 | 285 |
| | 1,5 | 1,0 | 0,06 | 0,9 | 240 | 277 |
| | 2,0 | 1,2 | 0,06 | 1,1 | 167 | 193 |
| | 2,1 | 1,2 | 0,07 | 1,1 | 194 | 224 |

| 6 Series VAN | | | | | | |
|--|--------------|------------|----------|---------------|---------------|--|
| 0° Trajectory | | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | ■ Precip In/h | ▲ Precip In/h | |
| 330° Arc  | 15 | 4 | 0.85 | 5.58 | 6.44 | |
| | 20 | 5 | 0.96 | 4.03 | 4.65 | |
| | 25 | 5 | 1.09 | 4.58 | 5.29 | |
| | 30 | 6 | 1.20 | 3.50 | 4.04 | |
| 270° Arc  | 15 | 4 | 0.79 | 6.34 | 7.32 | |
| | 20 | 5 | 0.88 | 4.52 | 5.22 | |
| | 25 | 5 | 1.00 | 5.13 | 5.92 | |
| | 30 | 6 | 1.10 | 3.92 | 4.53 | |
| 180° Arc  | 15 | 4 | 0.42 | 5.05 | 5.83 | |
| | 20 | 5 | 0.49 | 3.77 | 4.35 | |
| | 25 | 5 | 0.55 | 4.24 | 4.90 | |
| | 30 | 6 | 0.60 | 3.21 | 3.71 | |
| 90° Arc  | 15 | 4 | 0.26 | 6.26 | 7.23 | |
| | 20 | 5 | 0.30 | 4.62 | 5.33 | |
| | 25 | 5 | 0.34 | 5.24 | 6.05 | |
| | 30 | 6 | 0.37 | 3.96 | 4.57 | |

| 6 Series VAN METRIC | | | | | | |
|--|--------------|----------|-----------|----------|---------------|---------------|
| 0° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/h | Flow l/m | ■ Precip mm/h | ▲ Precip mm/h |
| 330° Arc  | 1,0 | 1,2 | 0,19 | 3,2 | 144 | 166 |
| | 1,5 | 1,5 | 0,23 | 3,8 | 112 | 129 |
| | 2,0 | 1,8 | 0,27 | 4,5 | 91 | 105 |
| | 2,1 | 1,8 | 0,27 | 4,5 | 91 | 105 |
| 270° Arc  | 1,0 | 1,2 | 0,18 | 3,0 | 167 | 193 |
| | 1,5 | 1,5 | 0,21 | 3,5 | 124 | 143 |
| | 2,0 | 1,8 | 0,24 | 4,1 | 99 | 114 |
| | 2,1 | 1,8 | 0,25 | 4,2 | 103 | 119 |
| 180° Arc  | 1,0 | 1,2 | 0,10 | 1,6 | 139 | 161 |
| | 1,5 | 1,5 | 0,11 | 1,9 | 98 | 113 |
| | 2,0 | 1,8 | 0,13 | 2,2 | 80 | 92 |
| | 2,1 | 1,8 | 0,14 | 2,3 | 86 | 99 |
| 90° Arc  | 1,0 | 1,2 | 0,06 | 1,0 | 167 | 193 |
| | 1,5 | 1,5 | 0,07 | 1,2 | 124 | 143 |
| | 2,0 | 1,8 | 0,08 | 1,4 | 99 | 114 |
| | 2,1 | 1,8 | 0,08 | 1,4 | 99 | 114 |

| 8 Series VAN | | | | | | |
|--|--------------|------------|----------|---------------|---------------|--|
| 5° Trajectory | | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | ■ Precip In/h | ▲ Precip In/h | |
| 330° Arc  | 15 | 6 | 1.21 | 3.53 | 4.07 | |
| | 20 | 7 | 1.36 | 2.91 | 3.36 | |
| | 25 | 7 | 1.55 | 3.32 | 3.83 | |
| | 30 | 8 | 1.70 | 2.79 | 3.22 | |
| 270° Arc  | 15 | 6 | 1.11 | 3.95 | 4.55 | |
| | 20 | 7 | 1.24 | 3.24 | 3.74 | |
| | 25 | 7 | 1.41 | 3.69 | 4.25 | |
| | 30 | 8 | 1.55 | 3.10 | 3.58 | |
| 180° Arc  | 15 | 6 | 0.84 | 4.49 | 5.18 | |
| | 20 | 7 | 0.97 | 3.81 | 4.40 | |
| | 25 | 7 | 1.09 | 4.28 | 4.94 | |
| | 30 | 8 | 1.19 | 3.58 | 4.13 | |
| 90° Arc  | 15 | 6 | 0.51 | 5.46 | 6.29 | |
| | 20 | 7 | 0.59 | 4.64 | 5.35 | |
| | 25 | 7 | 0.66 | 5.19 | 5.98 | |
| | 30 | 8 | 0.72 | 4.33 | 5.00 | |

| 8 Series VAN METRIC | | | | | | |
|--|--------------|----------|-----------|----------|---------------|---------------|
| 5° Trajectory | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m³/h | Flow l/m | ■ Precip mm/h | ▲ Precip mm/h |
| 330° Arc  | 1,0 | 1,8 | 0,27 | 4,6 | 91 | 105 |
| | 1,5 | 2,1 | 0,32 | 5,4 | 79 | 91 |
| | 2,0 | 2,3 | 0,38 | 6,3 | 78 | 90 |
| | 2,1 | 2,4 | 0,39 | 6,4 | 74 | 86 |
| 270° Arc  | 1,0 | 1,8 | 0,25 | 4,2 | 103 | 119 |
| | 1,5 | 2,1 | 0,30 | 4,9 | 91 | 105 |
| | 2,0 | 2,3 | 0,34 | 5,8 | 86 | 99 |
| | 2,1 | 2,4 | 0,35 | 5,9 | 81 | 94 |
| 180° Arc  | 1,0 | 1,8 | 0,19 | 3,2 | 117 | 135 |
| | 1,5 | 2,1 | 0,23 | 3,8 | 104 | 120 |
| | 2,0 | 2,3 | 0,26 | 4,4 | 98 | 113 |
| | 2,1 | 2,4 | 0,27 | 4,5 | 94 | 109 |
| 90° Arc  | 1,0 | 1,8 | 0,12 | 1,9 | 148 | 171 |
| | 1,5 | 2,1 | 0,14 | 2,3 | 127 | 147 |
| | 2,0 | 2,3 | 0,16 | 2,7 | 121 | 140 |
| | 2,1 | 2,4 | 0,16 | 2,7 | 111 | 128 |

Note: Turning the radius reduction screw may be required to achieve catalog radius and flow when the arc is set at less than maximum arc

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw

| 10 Series VAN | | | | | |
|----------------|-----------------|---------------|-------------|----------------|----------------|
| 10° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
| 360° Arc | 15 | 7 | 1.93 | 3.80 | 4.39 |
| | 20 | 8 | 2.32 | 3.50 | 4.04 |
| | 25 | 9 | 2.52 | 3.00 | 3.46 |
| | 30 | 10 | 2.60 | 2.50 | 2.89 |
| 270° Arc | 15 | 7 | 1.45 | 3.80 | 4.39 |
| | 20 | 8 | 1.75 | 3.50 | 4.04 |
| | 25 | 9 | 1.89 | 3.00 | 3.46 |
| | 30 | 10 | 2.10 | 2.70 | 3.12 |
| 180° Arc | 15 | 7 | 0.97 | 3.80 | 4.39 |
| | 20 | 8 | 1.20 | 3.50 | 4.04 |
| | 25 | 9 | 1.26 | 3.00 | 3.46 |
| | 30 | 10 | 1.45 | 2.80 | 3.23 |
| 90° Arc | 15 | 7 | 0.48 | 3.80 | 4.39 |
| | 20 | 8 | 0.58 | 3.50 | 4.04 |
| | 25 | 9 | 0.63 | 3.00 | 3.46 |
| | 30 | 10 | 0.75 | 2.90 | 3.35 |

| 10 Series VAN | | | | | | METRIC | |
|----------------|-----------------|-------------|---------------------------|-------------|----------------|----------------|--|
| 10° Trajectory | | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m ³ /h | Flow l/m | Precip mm/h | Precip mm/h | |
| 360° Arc | 1,0 | 2,1 | 0,44 | 7,3 | 96 | 111 | |
| | 1,5 | 2,4 | 0,53 | 9,0 | 89 | 103 | |
| | 2,0 | 2,7 | 0,57 | 9,8 | 76 | 88 | |
| | 2,1 | 3,1 | 0,59 | 9,8 | 63 | 73 | |
| 270° Arc | 1,0 | 2,1 | 0,33 | 5,5 | 96 | 111 | |
| | 1,5 | 2,4 | 0,4 | 6,8 | 89 | 103 | |
| | 2,0 | 2,7 | 0,43 | 7,8 | 76 | 88 | |
| | 2,1 | 3,1 | 0,48 | 7,9 | 68 | 79 | |
| 180° Arc | 1,0 | 2,1 | 0,22 | 3,7 | 96 | 111 | |
| | 1,5 | 2,4 | 0,27 | 4,6 | 89 | 103 | |
| | 2,0 | 2,7 | 0,29 | 5,3 | 76 | 88 | |
| | 2,1 | 3,1 | 0,33 | 5,5 | 71 | 82 | |
| 90° Arc | 1,0 | 2,1 | 0,11 | 1,8 | 96 | 111 | |
| | 1,5 | 2,4 | 0,13 | 2,3 | 89 | 103 | |
| | 2,0 | 2,7 | 0,14 | 2,7 | 76 | 88 | |
| | 2,1 | 3,1 | 0,17 | 2,8 | 73 | 85 | |

| 12 Series VAN | | | | | |
|----------------|-----------------|---------------|-------------|----------------|----------------|
| 15° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
| 360° Arc | 15 | 9 | 1.80 | 2.14 | 2.47 |
| | 20 | 10 | 2.10 | 2.02 | 2.34 |
| | 25 | 11 | 2.40 | 1.91 | 2.21 |
| | 30 | 12 | 2.60 | 1.74 | 2.01 |
| 270° Arc | 15 | 9 | 1.35 | 2.14 | 2.47 |
| | 20 | 10 | 1.58 | 2.02 | 2.34 |
| | 25 | 11 | 1.80 | 1.91 | 2.21 |
| | 30 | 12 | 1.95 | 1.74 | 2.01 |
| 180° Arc | 15 | 9 | 0.90 | 2.14 | 2.47 |
| | 20 | 10 | 1.05 | 2.02 | 2.34 |
| | 25 | 11 | 1.20 | 1.91 | 2.21 |
| | 30 | 12 | 1.30 | 1.74 | 2.01 |
| 90° Arc | 15 | 9 | 0.45 | 2.14 | 2.47 |
| | 20 | 10 | 0.53 | 2.02 | 2.34 |
| | 25 | 11 | 0.60 | 1.91 | 2.21 |
| | 30 | 12 | 0.65 | 1.74 | 2.01 |

| 12 Series VAN | | | | | | METRIC | |
|----------------|-----------------|-------------|---------------------------|-------------|----------------|----------------|--|
| 15° Trajectory | | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m ³ /h | Flow l/m | Precip mm/h | Precip mm/h | |
| 360° Arc | 1,0 | 2,7 | 0,40 | 6,8 | 55 | 63 | |
| | 1,5 | 3,2 | 0,48 | 8,3 | 47 | 54 | |
| | 2,0 | 3,6 | 0,59 | 9,7 | 46 | 53 | |
| | 2,1 | 3,7 | 0,60 | 9,8 | 44 | 51 | |
| 270° Arc | 1,0 | 2,7 | 0,30 | 5,1 | 55 | 63 | |
| | 1,5 | 3,2 | 0,36 | 6,3 | 47 | 54 | |
| | 2,0 | 3,6 | 0,45 | 7,3 | 46 | 53 | |
| | 2,1 | 3,7 | 0,45 | 7,4 | 44 | 51 | |
| 180° Arc | 1,0 | 2,7 | 0,20 | 3,4 | 55 | 63 | |
| | 1,5 | 3,2 | 0,24 | 4,2 | 47 | 54 | |
| | 2,0 | 3,6 | 0,30 | 4,8 | 46 | 53 | |
| | 2,1 | 3,7 | 0,30 | 4,9 | 44 | 51 | |
| 90° Arc | 1,0 | 2,7 | 0,10 | 1,7 | 55 | 63 | |
| | 1,5 | 3,2 | 0,12 | 2,1 | 47 | 54 | |
| | 2,0 | 3,6 | 0,15 | 2,4 | 46 | 53 | |
| | 2,1 | 3,7 | 0,15 | 2,5 | 44 | 51 | |

| 15 Series VAN | | | | | |
|----------------|-----------------|---------------|-------------|----------------|----------------|
| 23° Trajectory | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | Precip In/h | Precip In/h |
| 360° Arc | 15 | 11 | 2.60 | 2.07 | 2.39 |
| | 20 | 12 | 3.00 | 2.01 | 2.32 |
| | 25 | 14 | 3.30 | 1.62 | 1.87 |
| | 30 | 15 | 3.70 | 1.58 | 1.83 |
| 270° Arc | 15 | 11 | 1.95 | 2.07 | 2.39 |
| | 20 | 12 | 2.25 | 2.01 | 2.32 |
| | 25 | 14 | 2.48 | 1.62 | 1.87 |
| | 30 | 15 | 2.78 | 1.58 | 1.83 |
| 180° Arc | 15 | 11 | 1.30 | 2.07 | 2.39 |
| | 20 | 12 | 1.50 | 2.01 | 2.32 |
| | 25 | 14 | 1.65 | 1.62 | 1.87 |
| | 30 | 15 | 1.85 | 1.58 | 1.83 |
| 90° Arc | 15 | 11 | 0.65 | 2.07 | 2.39 |
| | 20 | 12 | 0.75 | 2.01 | 2.32 |
| | 25 | 14 | 0.82 | 1.62 | 1.87 |
| | 30 | 15 | 0.92 | 1.58 | 1.83 |





| 15 Series VAN | | | | | | METRIC | |
|----------------|-----------------|-------------|---------------------------|-------------|----------------|----------------|--|
| 23° Trajectory | | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m ³ /h | Flow l/m | Precip mm/h | Precip mm/h | |
| 360° Arc | 1,0 | 3,4 | 0,60 | 9,8 | 52 | 60 | |
| | 1,5 | 3,9 | 0,72 | 11,8 | 47 | 55 | |
| | 2,0 | 4,5 | 0,84 | 13,7 | 41 | 48 | |
| | 2,1 | 4,6 | 0,84 | 14,0 | 40 | 46 | |
| 270° Arc | 1,0 | 3,4 | 0,45 | 7,4 | 52 | 60 | |
| | 1,5 | 3,9 | 0,54 | 8,8 | 47 | 55 | |
| | 2,0 | 4,5 | 0,63 | 10,3 | 41 | 48 | |
| | 2,1 | 4,6 | 0,63 | 10,5 | 40 | 46 | |
| 180° Arc | 1,0 | 3,4 | 0,30 | 4,9 | 52 | 60 | |
| | 1,5 | 3,9 | 0,36 | 5,9 | 47 | 55 | |
| | 2,0 | 4,5 | 0,42 | 6,9 | 41 | 48 | |
| | 2,1 | 4,6 | 0,42 | 7,0 | 40 | 46 | |
| 90° Arc | 1,0 | 3,4 | 0,15 | 2,5 | 52 | 60 | |
| | 1,5 | 3,9 | 0,18 | 2,9 | 47 | 55 | |
| | 2,0 | 4,5 | 0,21 | 3,4 | 41 | 48 | |
| | 2,1 | 4,6 | 0,21 | 3,5 | 40 | 46 | |





Note: Turning the radius reduction screw may be required to achieve catalog radius and flow when the arc is set at less than maximum arc

■ Square spacing based on 50% diameter of throw

▲ Triangular spacing based on 50% diameter of throw



| 18 Series VAN | | | | | | |
|--|--------------|------------|----------|---------------|---------------|--|
| 26° Trajectory | | | | | | |
| Nozzle | Pressure psi | Radius ft. | Flow gpm | ■ Precip In/h | ▲ Precip In/h | |
|  360° Arc | 15 | 14 | 4.21 | 2.07 | 2.39 | |
| | 20 | 15 | 4.70 | 2.01 | 2.32 | |
| | 25 | 17 | 4.86 | 1.62 | 1.87 | |
| | 30 | 18 | 5.32 | 1.58 | 1.83 | |
|  270° Arc | 15 | 14 | 3.16 | 2.07 | 2.39 | |
| | 20 | 15 | 3.52 | 2.01 | 2.32 | |
| | 25 | 17 | 3.65 | 1.62 | 1.87 | |
| | 30 | 18 | 3.99 | 1.58 | 1.83 | |
|  180° Arc | 15 | 14 | 2.11 | 2.07 | 2.39 | |
| | 20 | 15 | 2.35 | 2.01 | 2.32 | |
| | 25 | 17 | 2.43 | 1.62 | 1.87 | |
| | 30 | 18 | 2.66 | 1.58 | 1.83 | |
|  90° Arc | 15 | 14 | 1.05 | 2.07 | 2.39 | |
| | 20 | 15 | 1.17 | 2.01 | 2.32 | |
| | 25 | 17 | 1.22 | 1.62 | 1.87 | |
| | 30 | 18 | 1.33 | 1.58 | 1.83 | |

| 18 Series VAN | | | | | | | METRIC | |
|--|--------------|----------|------------------------|----------|---------------|---------------|--------|--|
| 26° Trajectory | | | | | | | | |
| Nozzle | Pressure bar | Radius m | Flow m ³ /h | Flow l/m | ■ Precip mm/h | ▲ Precip mm/h | | |
|  360° Arc | 1,0 | 4,3 | 0,96 | 15,9 | 52 | 60 | | |
| | 1,5 | 4,8 | 1,07 | 18,0 | 47 | 55 | | |
| | 2,0 | 5,4 | 1,20 | 19,8 | 41 | 48 | | |
| | 2,1 | 5,5 | 1,21 | 20,1 | 40 | 46 | | |
|  270° Arc | 1,0 | 4,3 | 0,72 | 12,0 | 52 | 60 | | |
| | 1,5 | 4,8 | 0,80 | 13,5 | 47 | 55 | | |
| | 2,0 | 5,4 | 0,90 | 14,8 | 41 | 48 | | |
| | 2,1 | 5,5 | 0,91 | 15,1 | 40 | 46 | | |
|  180° Arc | 1,0 | 4,3 | 0,48 | 8,0 | 52 | 60 | | |
| | 1,5 | 4,8 | 0,54 | 9,0 | 47 | 55 | | |
| | 2,0 | 5,4 | 0,60 | 9,9 | 41 | 48 | | |
| | 2,1 | 5,5 | 0,61 | 10,1 | 40 | 46 | | |
|  90° Arc | 1,0 | 4,3 | 0,24 | 4,0 | 52 | 60 | | |
| | 1,5 | 4,8 | 0,27 | 4,5 | 47 | 55 | | |
| | 2,0 | 5,4 | 0,30 | 5,0 | 41 | 48 | | |
| | 2,1 | 5,5 | 0,30 | 5,0 | 40 | 46 | | |

Note: Turning the radius reduction screw may be required to achieve catalog radius and flow when the arc is set at less than maximum arc

- Square spacing based on 50% diameter of throw
- ▲ Triangular spacing based on 50% diameter of throw

Rain Bird Corporation

6991 E. Southpoint Road, Tucson, AZ, 85706, U.S.A.
Phone: (520) 741-6100 Fax: (520) 741-6522

Rain Bird Corporation

970 W. Sierra Madre Avenue, Azusa, CA, 91702, U.S.A.
Phone: (626) 812-3400 Fax: (626) 812-3411

Rain Bird International, Inc.

P.O. Box 37, Glendora, CA, 91740-0037, U.S.A.
Phone: (626) 963-9311 Fax: (626) 852-7343

Technical Service and Support

(800) RAINBIRD (U.S. and Canada only)

Specification Hotline

(800) 458-3005 (U.S. and Canada only)

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