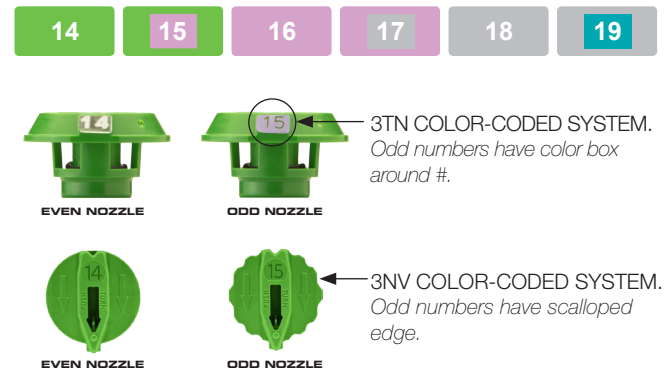


NELSON

3000 & 3030 Series Pivot Products

3TN & 3NV NOZZLE CHART

The nozzle sizing system is based on 128th inch increments, e.g. 3TN/3NV Nozzle #26 has an orifice diameter of 26/128th inches while 3TN/3NV Nozzle #27 has an orifice diameter of 27/128th inches. For 3TN Nozzles, the odd-numbered nozzles have a color box around the number marking. This color box denotes the color of the next larger nozzle size. The odd-numbered 3NV Nozzles have a scalloped edge rather than secondary coloring.



| NOZZLE # | #9 | #10 | #11 | #12 | #13 | #14 | #15 | #16 | #17 | #18 | #19 |
|----------|------------|-------|-------|------|------|------|----------|----------|----------|------|-----------|
| Color | Light Blue | Beige | Beige | Gold | Gold | Lime | Lime | Lavender | Lavender | Gray | Gray |
| Stripe | Beige | | Gold | Gold | Lime | | Lavender | Lavender | Gray | | Turquoise |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| 6 | 0.4 | 0.34 | 1.28 | 0.42 | 1.59 | 0.50 | 1.89 | 0.61 | 2.30 | 0.71 | 2.68 |
| 10 | 0.7 | 0.44 | 1.66 | 0.54 | 2.04 | 0.65 | 2.46 | 0.79 | 2.99 | 0.92 | 3.48 |
| 15 | 1.0 | 0.53 | 2.00 | 0.66 | 2.50 | 0.79 | 2.99 | 0.96 | 3.63 | 1.13 | 4.27 |
| 20 | 1.4 | 0.62 | 2.34 | 0.76 | 2.87 | 0.92 | 3.48 | 1.11 | 4.20 | 1.30 | 4.92 |
| 25 | 1.7 | 0.69 | 2.61 | 0.85 | 3.22 | 1.02 | 3.86 | 1.24 | 4.69 | 1.46 | 5.52 |
| 30 | 2.1 | 0.76 | 2.87 | 0.93 | 3.52 | 1.12 | 4.23 | 1.36 | 5.14 | 1.59 | 6.01 |
| 40 | 2.8 | 0.87 | 3.29 | 1.07 | 4.05 | 1.29 | 4.88 | 1.57 | 5.94 | 1.84 | 6.96 |
| 50 | 3.4 | 0.97 | 3.67 | 1.20 | 4.54 | 1.45 | 5.48 | 1.76 | 6.66 | 2.06 | 7.79 |

| NOZZLE # | #20 | #21 | #22 | #23 | #24 | #25 | #26 | #27 | #28 | #29 | #30 |
|----------|-----------|-----------|--------|--------|-------|-------|-------|-------|-------|------------|------------|
| Color | Turquoise | Turquoise | Yellow | Yellow | Red | Red | White | White | Blue | Blue | Dark Brown |
| Stripe | | Yellow | | Red | White | White | | Blue | | Dark Brown | |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| 6 | 0.4 | 1.70 | 6.43 | 1.84 | 6.96 | 2.04 | 7.72 | 2.22 | 8.40 | 2.44 | 9.23 |
| 10 | 0.7 | 2.19 | 8.28 | 2.38 | 9.00 | 2.64 | 9.99 | 2.64 | 10.82 | 3.16 | 11.96 |
| 15 | 1.0 | 2.69 | 10.18 | 2.91 | 11.01 | 3.23 | 12.22 | 3.50 | 13.24 | 3.86 | 14.61 |
| 20 | 1.4 | 3.10 | 11.73 | 3.36 | 12.71 | 3.73 | 14.11 | 4.05 | 15.32 | 4.46 | 16.88 |
| 25 | 1.7 | 3.47 | 13.13 | 3.76 | 14.23 | 4.17 | 15.78 | 4.52 | 17.10 | 4.99 | 18.88 |
| 30 | 2.1 | 3.80 | 14.38 | 4.12 | 15.59 | 4.56 | 17.25 | 4.96 | 18.77 | 5.47 | 20.70 |
| 40 | 2.8 | 4.39 | 16.61 | 4.76 | 18.01 | 5.27 | 19.94 | 5.72 | 21.65 | 6.31 | 23.88 |
| 50 | 3.4 | 4.90 | 18.54 | 5.32 | 20.13 | 5.89 | 22.29 | 6.40 | 24.22 | 7.06 | 26.72 |

| NOZZLE # | #31 | #32 | #33 | #34 | #35 | #36 | #37 | #38 | #39 | #40 | #41 |
|----------|------------|--------|------------|------------|------------|--------|--------|-------|---------------|----------------|---------------|
| Color | Dark Brown | Orange | Orange | Dark Green | Dark Green | Purple | Purple | Black | Black | Dark Turquoise | Dk. Turquoise |
| Stripe | Orange | | Dark Green | | Purple | Black | Black | | Dk. Turquoise | Turquoise | Mustard |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| 6 | 0.4 | 4.06 | 15.36 | 4.36 | 16.50 | 4.65 | 17.60 | 4.94 | 18.69 | 5.20 | 19.68 |
| 10 | 0.7 | 5.24 | 19.83 | 5.63 | 21.50 | 6.00 | 22.71 | 6.37 | 24.11 | 6.72 | 25.43 |
| 15 | 1.0 | 6.41 | 24.26 | 6.89 | 26.07 | 7.35 | 29.71 | 7.81 | 29.56 | 8.23 | 31.15 |
| 20 | 1.4 | 7.40 | 28.00 | 7.96 | 30.12 | 8.49 | 32.13 | 9.01 | 34.10 | 9.50 | 35.95 |
| 25 | 1.7 | 8.28 | 31.34 | 8.90 | 33.68 | 9.49 | 35.91 | 10.08 | 38.15 | 10.62 | 40.19 |
| 30 | 2.1 | 9.07 | 34.32 | 9.75 | 36.90 | 10.39 | 39.32 | 11.04 | 41.78 | 11.64 | 44.05 |
| 40 | 2.8 | 10.47 | 36.62 | 11.26 | 42.62 | 12.00 | 45.42 | 12.75 | 48.25 | 13.44 | 50.87 |
| 50 | 3.4 | 11.71 | 44.32 | 12.59 | 47.65 | 13.42 | 50.79 | 14.25 | 53.93 | 15.02 | 56.85 |

| NOZZLE # | #42 | #43 | #44 | #45 | #46 | #47 | #48 | #49 | #50 |
|----------|---------|---------|--------|--------|-------|-----------|-----------|-----------|--------|
| Color | Mustard | Mustard | Maroon | Maroon | Cream | Cream | Dark Blue | Dark Blue | Copper |
| Stripe | | Maroon | | Cream | | Dark Blue | | Copper | |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM |
| 6 | 0.4 | 7.60 | 28.76 | 7.96 | 30.13 | 8.33 | 31.52 | 8.73 | 33.04 |
| 10 | 0.7 | 9.81 | 37.13 | 10.28 | 38.91 | 10.75 | 40.68 | 11.27 | 42.66 |
| 15 | 1.0 | 12.01 | 45.45 | 12.59 | 47.65 | 13.17 | 49.84 | 13.80 | 52.23 |
| 20 | 1.4 | 13.87 | 52.49 | 14.54 | 55.03 | 15.20 | 57.53 | 15.93 | 60.30 |
| 25 | 1.7 | 15.51 | 58.70 | 16.25 | 61.51 | 17.00 | 64.34 | 17.81 | 67.41 |
| 30 | 2.1 | 16.99 | 64.30 | 17.80 | 67.37 | 18.62 | 70.47 | 19.51 | 73.85 |
| 40 | 2.8 | 19.61 | 74.22 | 20.56 | 77.82 | 21.50 | 81.37 | 22.53 | 85.28 |
| 50 | 3.4 | 21.93 | 83.00 | 22.98 | 86.98 | 24.04 | 90.99 | 25.19 | 95.34 |

This flow data was obtained under ideal test conditions and may be adversely affected by poor hydraulic entrance conditions, turbulence or other factors. Nelson Irrigation makes no representation regarding sprinkler flow rate accuracy under various plumbing and drop pipe conditions.