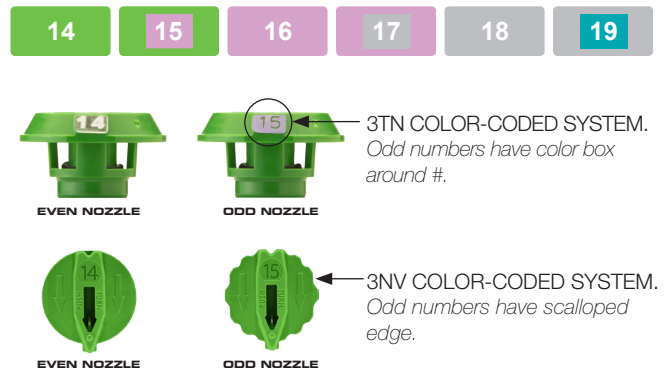


NELSON

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 | | |
|----------|------------|--------|-------|------|-------|------|------|------|------|------|----------|------|----------|------|----------|------|----------|------|-----------|------|-------|------|-------|
| | Light Blue | | Beige | | Beige | | Gold | | Gold | | Lime | | Lime | | Lavender | | Lavender | | Gray | | Gray | | |
| | Color | Stripe | Beige | | Gold | | Lime | | Lime | | Lavender | | Lavender | | Gray | | Gray | | Turquoise | | | | |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | 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 | 0.82 | 3.10 | 0.95 | 3.59 | 1.08 | 4.08 | 1.22 | 4.61 | 1.36 | 5.14 | 1.53 | 5.79 |
| 10 | 0.7 | 0.44 | 1.66 | 0.54 | 2.04 | 0.65 | 2.46 | 0.79 | 2.99 | 0.92 | 3.48 | 1.06 | 4.01 | 1.23 | 4.65 | 1.40 | 5.29 | 1.58 | 5.98 | 1.75 | 6.62 | 1.97 | 7.45 |
| 15 | 1.0 | 0.53 | 2.00 | 0.66 | 2.50 | 0.79 | 2.99 | 0.96 | 3.63 | 1.13 | 4.27 | 1.29 | 4.88 | 1.51 | 5.71 | 1.71 | 6.47 | 1.93 | 7.30 | 2.14 | 8.09 | 2.41 | 9.12 |
| 20 | 1.4 | 0.62 | 2.34 | 0.76 | 2.87 | 0.92 | 3.48 | 1.11 | 4.20 | 1.30 | 4.92 | 1.49 | 5.63 | 1.74 | 6.58 | 1.98 | 7.49 | 2.23 | 8.44 | 2.48 | 9.38 | 2.79 | 10.56 |
| 25 | 1.7 | 0.69 | 2.61 | 0.85 | 3.22 | 1.02 | 3.86 | 1.24 | 4.69 | 1.46 | 5.52 | 1.67 | 6.32 | 1.95 | 7.38 | 2.21 | 8.36 | 2.50 | 9.46 | 2.77 | 10.48 | 3.12 | 11.81 |
| 30 | 2.1 | 0.76 | 2.87 | 0.93 | 3.52 | 1.12 | 4.23 | 1.36 | 5.14 | 1.59 | 6.01 | 1.83 | 6.92 | 2.14 | 8.09 | 2.42 | 9.15 | 2.74 | 10.37 | 3.03 | 11.46 | 3.41 | 12.90 |
| 40 | 2.8 | 0.87 | 3.29 | 1.07 | 4.05 | 1.29 | 4.88 | 1.57 | 5.94 | 1.84 | 6.96 | 2.11 | 7.98 | 2.47 | 9.34 | 2.80 | 10.59 | 3.16 | 11.96 | 3.50 | 13.24 | 3.94 | 14.91 |
| 50 | 3.4 | 0.97 | 3.67 | 1.20 | 4.54 | 1.45 | 5.48 | 1.76 | 6.66 | 2.06 | 7.79 | 2.36 | 8.93 | 2.76 | 10.44 | 3.13 | 11.84 | 3.53 | 13.32 | 3.91 | 14.79 | 4.41 | 16.69 |

| NOZZLE # | #20 | | #21 | | #22 | | #23 | | #24 | | #25 | | #26 | | #27 | | #28 | | #29 | | #30 | | |
|----------|-----------|--------|-----------|------|--------|------|--------|------|-------|------|-------|------|-------|------|------------|------|-------|------|-------|-------|------------|-------|-------|
| | Turquoise | | Turquoise | | Yellow | | Yellow | | Red | | Red | | White | | White | | Blue | | Blue | | Dark Brown | | |
| | Color | Stripe | Yellow | | Red | | White | | White | | Blue | | Blue | | Dark Brown | | | | | | | | |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | 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 | 2.64 | 9.99 | 2.87 | 10.86 | 3.07 | 11.61 | 3.35 | 12.68 | 3.58 | 13.55 | 3.83 | 14.49 |
| 10 | 0.7 | 2.19 | 8.28 | 2.38 | 9.00 | 2.64 | 9.99 | 2.86 | 10.82 | 3.16 | 11.96 | 3.41 | 12.90 | 3.70 | 14.00 | 3.97 | 15.00 | 4.32 | 16.35 | 4.62 | 17.48 | 4.94 | 18.69 |
| 15 | 1.0 | 2.69 | 10.18 | 2.91 | 11.01 | 3.23 | 12.22 | 3.50 | 13.24 | 3.86 | 14.61 | 4.17 | 15.78 | 4.53 | 17.14 | 4.86 | 18.39 | 5.29 | 20.02 | 5.66 | 21.42 | 6.06 | 22.93 |
| 20 | 1.4 | 3.10 | 11.73 | 3.36 | 12.71 | 3.73 | 14.11 | 4.05 | 15.32 | 4.46 | 16.88 | 4.82 | 18.24 | 5.23 | 19.79 | 5.61 | 21.23 | 6.11 | 23.12 | 6.53 | 24.71 | 6.99 | 26.45 |
| 25 | 1.7 | 3.47 | 13.13 | 3.76 | 14.23 | 4.17 | 15.78 | 4.52 | 17.10 | 4.99 | 18.88 | 5.38 | 20.36 | 5.85 | 22.14 | 6.27 | 23.73 | 6.83 | 25.85 | 7.30 | 27.63 | 7.82 | 29.59 |
| 30 | 2.1 | 3.80 | 14.38 | 4.12 | 15.59 | 4.56 | 17.25 | 4.96 | 18.77 | 5.47 | 20.70 | 5.90 | 22.33 | 6.41 | 24.26 | 6.87 | 26.00 | 7.48 | 28.31 | 8.00 | 30.28 | 8.56 | 32.39 |
| 40 | 2.8 | 4.39 | 16.61 | 4.76 | 18.01 | 5.27 | 19.94 | 5.72 | 21.65 | 6.31 | 23.88 | 6.81 | 25.77 | 7.40 | 28.00 | 7.94 | 30.65 | 8.64 | 32.70 | 9.24 | 34.97 | 9.89 | 37.43 |
| 50 | 3.4 | 4.90 | 18.54 | 5.32 | 20.13 | 5.89 | 22.29 | 6.40 | 24.22 | 7.06 | 26.72 | 7.61 | 28.80 | 8.28 | 31.33 | 8.87 | 33.57 | 9.66 | 36.56 | 10.33 | 39.13 | 11.06 | 41.86 |

| NOZZLE # | #31 | | #32 | | #33 | | #34 | | #35 | | #36 | | #37 | | #38 | | #39 | | #40 | | #30 | | |
|----------|------------|--------|------------|-------|--------|-------|------------|-------|---------------|-------|-----------|-------|---------|-------|-------|-------|-------|-------|-------|-------|---------------|-------|-------|
| | Dark Brown | | Orange | | Orange | | Dark Green | | Dark Green | | Purple | | Purple | | Black | | Black | | Dark | | Dk. Turquoise | | |
| | Color | Stripe | Dark Green | | Purple | | Black | | Dk. Turquoise | | Turquoise | | Mustard | | | | | | | | | | |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | 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 | 5.47 | 20.07 | 5.84 | 22.10 | 6.18 | 23.39 | 6.52 | 24.68 | 6.85 | 25.92 | 7.26 | 27.48 |
| 10 | 0.7 | 5.24 | 19.83 | 5.63 | 21.50 | 6.00 | 22.71 | 6.37 | 24.11 | 6.72 | 25.43 | 7.06 | 26.72 | 7.54 | 28.54 | 7.97 | 30.16 | 8.42 | 31.87 | 8.85 | 33.49 | 9.37 | 35.47 |
| 15 | 1.0 | 6.41 | 24.26 | 6.89 | 26.07 | 7.35 | 29.71 | 7.81 | 29.56 | 8.23 | 31.15 | 8.65 | 32.74 | 9.24 | 34.97 | 9.77 | 36.98 | 10.31 | 39.02 | 10.84 | 41.02 | 11.48 | 43.45 |
| 20 | 1.4 | 7.40 | 28.00 | 7.96 | 30.12 | 8.49 | 32.13 | 9.01 | 34.10 | 9.50 | 35.95 | 9.98 | 37.77 | 10.67 | 40.38 | 11.28 | 42.69 | 11.91 | 45.08 | 12.51 | 47.35 | 13.26 | 50.19 |
| 25 | 1.7 | 8.28 | 31.34 | 8.90 | 33.68 | 9.49 | 35.91 | 10.08 | 38.15 | 10.62 | 40.19 | 11.16 | 42.24 | 11.92 | 45.11 | 12.61 | 47.72 | 13.31 | 50.38 | 13.99 | 52.95 | 14.82 | 56.09 |
| 30 | 2.1 | 9.07 | 34.32 | 9.75 | 36.90 | 10.39 | 39.32 | 11.04 | 41.78 | 11.64 | 44.05 | 12.23 | 46.29 | 13.06 | 49.43 | 13.81 | 52.27 | 14.58 | 55.19 | 15.33 | 58.02 | 16.23 | 61.43 |
| 40 | 2.8 | 10.47 | 36.62 | 11.26 | 42.62 | 12.00 | 45.42 | 12.75 | 48.25 | 13.44 | 50.87 | 14.12 | 53.44 | 15.08 | 57.07 | 15.95 | 60.37 | 16.84 | 63.74 | 17.70 | 66.99 | 18.75 | 70.97 |
| 50 | 3.4 | 11.71 | 44.32 | 12.59 | 47.65 | 13.42 | 50.79 | 14.25 | 53.93 | 15.02 | 56.85 | 15.79 | 59.76 | 16.86 | 63.81 | 17.83 | 67.48 | 18.81 | 71.20 | 19.79 | 74.90 | 20.96 | 79.33 |

| NOZZLE # | #42 | | #43 | | #44 | | #45 | | #46 | | #47 | | #48 | | #49 | | #50 | | |
|----------|---------|--------|---------|-------|--------|-------|-----------|-------|--------|-------|-------|-------|-----------|-------|-----------|-------|--------|-------|--------|
| | Mustard | | Mustard | | Maroon | | Maroon | | Cream | | Cream | | Dark Blue | | Dark Blue | | Copper | | |
| | Color | Stripe | Maroon | | Cream | | Dark Blue | | Copper | | | | | | | | | | |
| PSI | BAR | GPM | LPM | GPM | LPM | GPM | LPM | GPM | LPM | 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 | 9.12 | 34.51 | 9.58 | 36.26 | 9.96 | 37.69 | 10.31 | 39.02 | 10.77 | 40.76 |
| 10 | 0.7 | 9.81 | 37.13 | 10.28 | 38.91 | 10.75 | 40.68 | 11.27 | 42.66 | 11.77 | 44.54 | 12.36 | 46.78 | 12.86 | 48.67 | 13.31 | 50.38 | 13.91 | 52.64 |
| 15 | 1.0 | 12.01 | 45.45 | 12.59 | 47.65 | 13.17 | 49.84 | 13.80 | 52.23 | 14.41 | 54.54 | 15.14 | 57.30 | 15.75 | 59.61 | 16.30 | 61.70 | 17.03 | 64.45 |
| 20 | 1.4 | 13.87 | 52.49 | 14.54 | 55.03 | 15.20 | 57.53 | 15.93 | 60.30 | 16.64 | 62.98 | 17.49 | 66.20 | 18.19 | 68.84 | 18.82 | 71.23 | 19.67 | 74.45 |
| 25 | 1.7 | 15.51 | 58.70 | 16.25 | 61.51 | 17.00 | 64.34 | 17.81 | 67.41 | 18.61 | 70.43 | 19.55 | 74.00 | 20.33 | 79.94 | 21.05 | 79.67 | 21.99 | 83.23 |
| 30 | 2.1 | 16.99 | 64.30 | 17.80 | 67.37 | 18.62 | 70.47 | 19.51 | 73.85 | 20.38 | 77.13 | 21.42 | 81.07 | 22.28 | 84.32 | 23.05 | 87.24 | 24.09 | 91.18 |
| 40 | 2.8 | 19.61 | 74.22 | 20.56 | 77.82 | 21.50 | 81.37 | 22.53 | 85.28 | 23.54 | 89.09 | 24.73 | 93.60 | 25.72 | 97.35 | 26.62 | 100.76 | 27.82 | 105.29 |
| 50 | 3.4 | 21.93 | 83.00 | 22.98 | 86.98 | 24.04 | 90.99 | 25.19 | 95.34 | 26.31 | 99.58 | 27.65 | 104.66 | 28.76 | 108.85 | 29.76 | 112.64 | 31.10 | 117.71 |

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.