

NELSON®



SPRAY HEAD Sprinklers

Nelson pop-up spray heads provide effective coverage for residential and commercial applications. Four pop-up heights, five Multi-Arc™ nozzles, 22 fixed pattern nozzles, three ADV models and a variety of optional accessories provide for a wide range of installation needs. Nelson spray heads accept all standard female thread pop-up spray nozzles and the flush cap helps flush the system and ease nozzle installation. ADV models incorporate a heavy-duty spring and anti-drain valve to hold back up to a 10 foot elevation difference making them ideal for use in sloped areas.

8'-15'

6302

- *Operating range:* 15-30 psi (1.1-2.1 bars)
- *Pop up height:* 2½"
- *Body height:* 3½"
- *Anti-drain valve:* Optional
- 100 per box

6304, 6404-ADV

- *Operating range:* (6304)15-30 psi (1.1-2.1 bars)
(6404)20-30 psi (1.1-2.1 bars)
- *Pop up height:* 4"
- *Body height:* 5⅞"
- *Anti-drain valve:* Optional (6304); YES (6404)
- Heavy-duty spring
- 100 per box

6306, 6406-ADV

- *Operating range:* (6306)15-30 psi (1.1-2.1 bars)
(6406)20-30 psi (1.1-2.1 bars)
- *Pop up height:* 6"
- *Body height:* 7⅞"
- *Anti-drain valve:* Optional (6306); YES (6406)
- Heavy-duty spring
- 100 per box

6312, 6412-ADV

- *Operating range:* (6312)15-30 psi (1.1-2.1 bars)
(6412)20-30 psi (1.1-2.1 bars)
- *Pop up height:* 12"
- *Body height:* 15"
- *Anti-drain valve:* Optional (6312); YES (6412)
- Heavy-duty spring
- 50 per box

SPRAY HEAD Sprinklers

Features

Precise spray patterns helps eliminate wasted water and dry spots

6300 series

Optimum pressure 30 PSI
Maximum pressure 30 PSI
Sealing pressure Less than 10 PSI
Flush rate 0.2 GPM
Inlet size 1/2" (12.7mm)

6400 series

Optimum pressure 30 PSI
Maximum pressure 30 PSI
Sealing pressure Less than 20 PSI
Flush rate 0.2 GPM
Inlet size 1/2" (12.7mm)

Fixed Nozzle Performance

| Pressure | | | | | Precipitation Rate ¹ | | | | | Nozzle # & Shape | | Pressure | | | | | Precipitation Rate ¹ | | | | | | | | | | | | | | | | | | | |
|---|----|-----|-----------|-----------|---------------------------------|-------------------------|------------------------|---------------------|------|------------------|------|----------|------|-----------|-----------|------|---------------------------------|------|-------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PSI | FT | GPM | ■ IN/HR ▲ | ■ MM/HR ▲ | BAR | kPa | M | L/min | MHR | ■ MM/HR ▲ | PSI | FT | GPM | ■ IN/HR ▲ | ■ MM/HR ▲ | BAR | kPa | M | L/min | MHR | ■ MM/HR ▲ | | | | | | | | | | | | | | | |
| 8" FIXED - 5° Trajectory (Flat) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 6 | 1.0 | 2.3 | 2.8 | 7284 8F-FLT FULL (360°) | 1.1 | 104 | 1.8 | 3.8 | 0.23 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 4.5 | 0.27 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 4.5 | 0.27 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 5.7 | 0.34 | 48.2 | 61.0 | | | |
| 20 | 7 | 1.2 | 2.1 | 2.6 | | 1.1 | 104 | 1.8 | 1.9 | 0.11 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 2.3 | 0.14 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 2.3 | 0.14 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 2.6 | 0.16 | 48.2 | 61.0 | | | |
| 25 | 7 | 1.2 | 2.0 | 2.5 | | 7282 8H-FLT 1/2 (180°) | 1.1 | 104 | 1.8 | 1.9 | 0.11 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 2.3 | 0.14 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 2.3 | 0.14 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 2.6 | 0.16 | 48.2 | 61.0 | | |
| 30 | 8 | 1.5 | 1.9 | 2.4 | | | 1.1 | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | |
| 15 | 6 | 0.5 | 2.3 | 2.8 | | | 7281 8Q-FLT 1/4 (90°) | 1.1 | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | |
| 20 | 7 | 0.6 | 2.1 | 2.6 | 1.1 | | | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | |
| 25 | 7 | 0.6 | 2.0 | 2.5 | 1.1 | | | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | |
| 30 | 8 | 0.7 | 1.9 | 2.3 | 1.1 | 104 | | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | | |
| 15 | 6 | 0.3 | 2.3 | 2.8 | 1.1 | 104 | | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | | |
| 20 | 7 | 0.3 | 2.1 | 2.6 | 1.1 | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | | | |
| 25 | 7 | 0.3 | 2.0 | 2.5 | 1.1 | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | | | |
| 30 | 8 | 0.4 | 1.9 | 2.3 | 1.1 | 104 | 1.8 | 1.1 | 0.07 | 58.4 | 71.1 | 1.4 | 138 | 2.1 | 1.1 | 0.07 | 53.3 | 66.0 | 1.8 | 173 | 2.1 | 1.1 | 0.07 | 50.8 | 63.5 | 2.1 | 207 | 2.4 | 1.5 | 0.09 | 48.2 | 61.0 | | | | |
| 10" FIXED - 15° Trajectory (Low Angle) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 7 | 1.2 | 2.3 | 2.6 | 7274 10F-FLT FULL (360°) | 1.1 | 104 | 2.1 | 4.5 | 0.27 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 4.9 | 0.30 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 5.3 | 0.32 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 6.1 | 0.36 | 38.1 | 45.7 | | | |
| 20 | 8 | 1.3 | 2.0 | 2.3 | | 1.1 | 104 | 2.1 | 2.3 | 0.14 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 2.3 | 0.14 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 2.6 | 0.16 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 3.0 | 0.18 | 38.1 | 45.7 | | | |
| 25 | 9 | 1.4 | 1.7 | 2.0 | | 7272 10H-FLT 1/2 (180°) | 1.1 | 104 | 2.1 | 2.3 | 0.14 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 2.3 | 0.14 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 2.6 | 0.16 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 3.0 | 0.18 | 38.1 | 45.7 | | |
| 30 | 10 | 1.6 | 1.5 | 1.8 | | | 1.1 | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | |
| 15 | 7 | 0.6 | 2.3 | 2.6 | | | 7271 10Q-FLT 1/4 (90°) | 1.1 | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | |
| 20 | 8 | 0.6 | 2.0 | 2.3 | 1.1 | | | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | |
| 25 | 9 | 0.7 | 1.7 | 2.0 | 1.1 | | | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | |
| 30 | 10 | 0.8 | 1.5 | 1.8 | 1.1 | 104 | | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | | |
| 15 | 7 | 0.3 | 2.3 | 2.6 | 1.1 | 104 | | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | | |
| 20 | 8 | 0.3 | 2.0 | 2.3 | 1.1 | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | | | |
| 25 | 9 | 0.4 | 1.7 | 2.0 | 1.1 | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | | | |
| 30 | 10 | 0.4 | 1.5 | 1.8 | 1.1 | 104 | 2.1 | 1.1 | 0.06 | 58.4 | 66.0 | 1.4 | 138 | 2.4 | 1.1 | 0.06 | 50.8 | 58.4 | 1.8 | 173 | 2.7 | 1.5 | 0.09 | 43.2 | 50.8 | 2.1 | 207 | 3.1 | 1.5 | 0.09 | 38.1 | 45.7 | | | | |
| 12" FIXED - 30° Trajectory (Low Gallage) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 9 | 1.8 | 2.1 | 2.5 | 7374 12F FULL (360°) | 1.1 | 104 | 2.7 | 6.8 | 0.40 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 7.9 | 0.48 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 9.1 | 0.54 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 9.8 | 0.59 | 43.2 | 50.8 | | | |
| 20 | 10 | 2.1 | 2.0 | 2.3 | | 7373 12TQ 3/4 (270°) | 1.1 | 104 | 2.7 | 5.3 | 0.32 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 6.1 | 0.36 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 6.8 | 0.41 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 7.6 | 0.45 | 43.2 | 50.8 | | |
| 25 | 11 | 2.4 | 1.9 | 2.2 | | | 1.1 | 104 | 2.7 | 5.5 | 0.27 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 5.3 | 0.32 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 6.1 | 0.36 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 6.4 | 0.39 | 43.2 | 50.8 | | |
| 30 | 12 | 2.6 | 1.7 | 2.0 | | | 7375 12T 2/3 (240°) | 1.1 | 104 | 2.7 | 5.5 | 0.27 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 5.3 | 0.32 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 6.1 | 0.36 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 6.4 | 0.39 | 43.2 | 50.8 | |
| 15 | 9 | 1.4 | 2.1 | 2.5 | | | | 7372 12H 1/2 (180°) | 1.1 | 104 | 2.7 | 3.4 | 0.20 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 4.2 | 0.25 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 4.5 | 0.27 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 4.9 | 0.30 | 43.2 | 50.8 |
| 20 | 10 | 1.6 | 2.0 | 2.3 | 7376 12T 1/3 (120°) | | | | 1.1 | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 3.1 | 0.20 | 43.2 | 50.8 |
| 25 | 11 | 1.6 | 1.9 | 2.2 | | 7371 12Q 1/4 (90°) | | | 1.1 | 104 | 2.7 | 1.9 | 0.11 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 1.9 | 0.11 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 2.3 | 0.14 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 2.6 | 0.16 | 43.2 | 50.8 |
| 30 | 12 | 1.7 | 1.7 | 2.0 | | | | | 1.1 | 104 | 2.7 | 1.9 | 0.11 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 1.9 | 0.11 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 2.3 | 0.14 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 2.6 | 0.16 | 43.2 | 50.8 |
| 15 | 9 | 0.9 | 2.1 | 2.5 | | | 1.1 | | 104 | 2.7 | 3.4 | 0.20 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 4.2 | 0.25 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 4.5 | 0.27 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 4.9 | 0.30 | 43.2 | 50.8 | |
| 20 | 10 | 1.1 | 2.0 | 2.3 | | | 1.1 | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 3.1 | 0.20 | 43.2 | 50.8 | | |
| 25 | 11 | 1.2 | 1.9 | 2.2 | 1.1 | | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 3.1 | 0.20 | 43.2 | 50.8 | | | |
| 30 | 12 | 1.3 | 1.7 | 2.0 | 1.1 | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 3.1 | 0.20 | 43.2 | 50.8 | | | | |
| 15 | 9 | 0.6 | 2.1 | 2.5 | 1.1 | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 3.1 | 0.20 | 43.2 | 50.8 | | | | |
| 20 | 10 | 0.7 | 2.0 | 2.3 | 1.1 | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | 2.1 | 207 | 3.7 | 3.1 | 0.20 | 43.2 | 50.8 | | | | |
| 25 | 11 | 0.8 | 1.9 | 2.2 | 1.1 | 104 | 2.7 | 2.3 | 0.14 | 53.3 | 63.5 | 1.4 | 138 | 3.1 | 2.6 | 0.16 | 50.8 | 58.4 | 1.8 | 173 | 3.4 | 3.0 | 0.18 | 48.2 | 55.9 | | | | | | | | | | | |