

# 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:* 2 $\frac{1}{2}$ "
- *Body height:* 3 $\frac{1}{2}$ "
- *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:* 5 $\frac{7}{8}$ "
- *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:* 7 $\frac{7}{8}$ "
- *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

# 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)

## FixedNozzle Performance

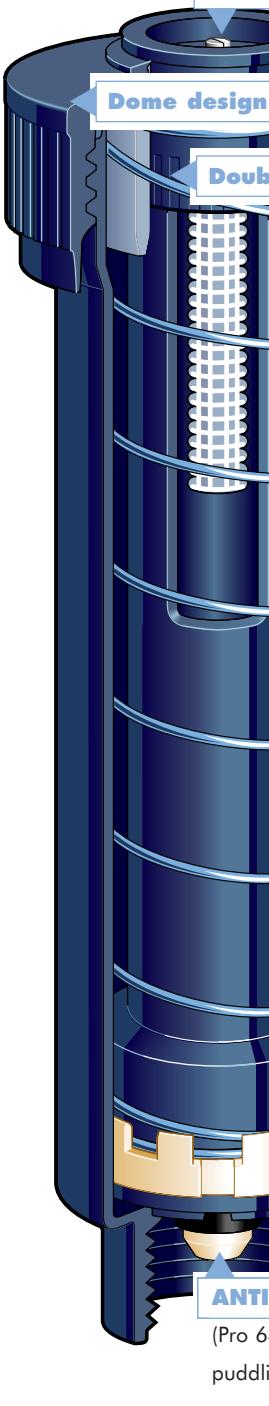
Pressure PSI	Radius FT	Discharge GPM	Precipitation Rate IN/HR ▲	Nozzle # & Shape	Pressure BAR	Radius M	Discharge L/min	Precipitation Rate MM/HR ▲
<b>8" FIXED - 5° Trajectory (flat)</b>								
15	6	1.0	2.3	2.8	7284 8F-FLT FULL (360°)	1.1 104	1.8	3.8 0.23 58.4 71.1
20	7	1.2	2.1	2.6		1.4 138	2.1	4.5 0.27 53.3 66.0
25	7	1.2	2.0	2.5		1.8 173	2.1	4.5 0.27 50.8 63.5
30	8	1.5	1.9	2.4		2.1 207	2.4	5.7 0.34 48.2 61.0
15	6	0.5	2.3	2.8	7282 8H-FLT 1/2 (180°)	1.1 104	1.8	1.9 0.11 58.4 71.1
20	7	0.6	2.1	2.6		1.4 138	2.1	2.3 0.14 53.3 66.0
25	7	0.6	2.0	2.5		1.8 173	2.1	2.3 0.14 50.8 63.5
30	8	0.7	1.9	2.3		2.1 207	2.4	2.6 0.16 48.2 61.0
15	6	0.3	2.3	2.8	7281 8Q-FLT 1/4 (90°)	1.1 104	1.8	1.1 0.07 58.4 71.1
20	7	0.3	2.1	2.6		1.4 138	2.1	1.1 0.07 53.3 66.0
25	7	0.3	2.0	2.5		1.8 173	2.1	1.1 0.07 50.8 63.5
30	8	0.4	1.9	2.3		2.1 207	2.4	1.5 0.09 48.2 61.0
<b>10" FIXED - 15° Trajectory (low Angle)</b>								
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
20	8	1.3	2.0	2.3		1.4 138	2.4	4.9 0.30 50.8 58.4
25	9	1.4	1.7	2.0		1.8 173	2.7	5.3 0.32 43.2 50.8
30	10	1.6	1.5	1.8		2.1 207	3.1	6.1 0.36 38.1 45.7
15	7	0.6	2.3	2.6	7272 10H-FLT 1/2 (180°)	1.1 104	2.1	2.3 0.14 58.4 66.0
20	8	0.6	2.0	2.3		1.4 138	2.4	2.3 0.14 50.8 58.4
25	9	0.7	1.7	2.0		1.8 173	2.7	2.6 0.16 43.2 50.8
30	10	0.8	1.5	1.8		2.1 207	3.1	3.0 0.18 38.1 45.7
15	7	0.3	2.3	2.6	7271 10Q-FLT 1/4 (90°)	1.1 104	2.1	1.1 0.06 58.4 66.0
20	8	0.3	2.0	2.3		1.4 138	2.4	1.1 0.06 50.8 58.4
25	9	0.4	1.7	2.0		1.8 173	2.7	1.5 0.09 43.2 50.8
30	10	0.4	1.5	1.8		2.1 207	3.1	1.5 0.09 38.1 45.7
<b>12" FIXED - 30° Trajectory (low Gallonage)</b>								
15	9	1.8	2.1	2.5	7374 12F-FLT FULL (360°)	1.1 104	2.7	6.8 0.40 53.3 63.5
20	10	2.1	2.0	2.3		1.4 138	3.1	7.9 0.48 50.8 58.4
25	11	2.4	1.9	2.2		1.8 173	3.4	9.1 0.54 48.2 55.9
30	12	2.6	1.7	2.0		2.1 207	3.7	9.8 0.59 43.2 50.8
15	9	1.4	2.1	2.5	7373 12HQ-FLT 3/4 (240°)	1.1 104	2.7	5.3 0.32 53.3 63.5
20	10	1.6	2.0	2.3		1.4 138	3.1	6.1 0.36 50.8 58.4
25	11	1.8	1.9	2.2		1.8 173	3.4	6.8 0.41 48.2 55.9
30	12	2.0	1.7	2.0		2.1 207	3.7	7.6 0.45 43.2 50.8
15	9	1.2	2.1	2.5	7375 12TT 2/3 (240°)	1.1 104	2.7	5.5 0.27 53.3 63.5
20	10	1.4	2.0	2.3		1.4 138	3.1	5.3 0.32 50.8 58.4
25	11	1.6	1.9	2.2		1.8 173	3.4	6.1 0.36 48.2 55.9
30	12	1.7	1.7	2.0		2.1 207	3.7	6.4 0.39 43.2 50.8
15	9	0.9	2.1	2.5	7372 12H 1/2 (180°)	1.1 104	2.7	3.4 0.20 53.3 63.5
20	10	1.1	2.0	2.3		1.4 138	3.1	4.2 0.25 50.8 58.4
25	11	1.2	1.9	2.2		1.8 173	3.4	4.5 0.27 48.2 55.9
30	12	1.3	1.7	2.0		2.1 207	3.7	4.9 0.30 43.2 50.8
15	9	0.6	2.1	2.5	7376 12T 1/3 (120°)	1.1 104	2.7	2.3 0.14 53.3 63.5
20	10	0.7	2.0	2.3		1.4 138	3.1	2.6 0.16 50.8 58.4
25	11	0.8	1.9	2.2		1.8 173	3.4	3.0 0.18 48.2 55.9
30	12	0.9	1.7	2.0		2.1 207	3.7	3.1 0.20 43.2 50.8
15	9	0.5	2.1	2.5	7371 12Q 1/4 (90°)	1.1 104	2.7	1.9 0.11 53.3 63.5
20	10	0.5	2.0	2.3		1.4 138	3.1	1.9 0.11 50.8 58.4
25	11	0.6	1.9	2.2		1.8 173	3.4	2.3 0.14 48.2 55.9
30	12	0.7	1.7	2.0		2.1 207	3.7	2.6 0.16 43.2 50.8
<b>15" FIXED - 30° Trajectory (Standard)</b>								
15	11	2.6	2.1	2.4	7074 15F-FLT FULL (360°)	1.1 104	3.4	9.8 0.59 53.3 60.7
20	12	3.0	2.0	2.3		1.4 138	3.7	11.4 0.68 50.8 58.4
25	14	3.3	1.6	1.9		1.8 173	4.3	12.5 0.75 40.6 48.2
30	15	3.7	1.6	1.8		2.1 207	4.6	14.0 0.84 40.6 45.7
15	11	2.0	2.1	2.4	7073 15TQ 3/4 (240°)	1.1 104	3.4	7.6 0.45 53.3 60.7
20	12	2.3	2.0	2.3		1.4 138	3.7	8.7 0.52 50.8 58.4
25	14	2.5	1.6	1.9		1.8 173	4.3	9.5 0.57 40.6 48.2
30	15	2.8	1.6	1.8		2.1 207	4.6	10.6 0.64 40.6 45.7
15	11	1.7	2.1	2.4	7075 15TT 2/3 (240°)	1.1 104	3.4	6.4 0.39 53.3 60.7
20	12	2.0	2.0	2.3		1.4 138	3.7	7.6 0.45 50.8 58.4
25	14	2.2	1.6	1.9		1.8 173	4.3	8.3 0.50 40.6 48.2
30	15	2.5	1.6	1.8		2.1 207	4.6	9.5 0.57 40.6 45.7
15	11	1.3	2.1	2.4	7072 15H 1/2 (180°)	1.1 104	3.4	4.9 0.30 53.3 60.7
20	12	1.5	2.0	2.3		1.4 138	3.7	5.7 0.34 50.8 58.4
25	14	1.7	1.6	1.9		1.8 173	4.3	6.4 0.39 40.6 48.2
30	15	1.9	1.6	1.8		2.1 207	4.6	7.2 0.43 40.6 45.7
15	11	0.9	2.1	2.4	7076 15T 1/3 (120°)	1.1 104	3.4	3.4 0.20 53.3 60.7
20	12	1.0	2.0	2.3		1.4 138	3.7	3.8 0.22 50.8 58.4
25	14	1.1	1.6	1.9		1.8 173	4.3	4.2 0.25 40.6 48.2
30	15	1.2	1.6	1.8		2.1 207	4.6	4.5 0.27 40.6 45.7
15	11	0.7	2.1	2.4	7071 15Q 1/4 (90°)	1.1 104	3.4	2.6 0.14 53.3 60.7
20	12	0.8	2.0	2.3		1.4 138	3.7	3.0 0.18 50.8 58.4
25	14	0.8	1.6	1.9		1.8 173	4.3	3.0 0.18 40.6 48.2
30	15	0.9	1.6	1.8		2.1 207	4.6	3.4 0.20 40.6 45.7
<b>SPECIAL PATTERNS</b>								
15	18-18	2.6	3.1	3.6	7081 15SQ SQUARE	1.1 104	55x55	9.8 0.59 78.7 91.4
20	20-20	3.0	2.9	3.3		1.4 138	61x61	11.4 0.68 73.7 83.3
25	22-22	3.3	2.6	3.0		1.8 173	67x67	12.5 0.75 66.0 76.2
30	24-24	3.7	2.5	2.9		2.1 207	73x73	14.0 0.84 63.5 73.7
15	4x13	0.5	1.7	-	7082 15EST END STRIP	1.1 104	12x40	1.9 0.11 43.2 -
20	4x14	0.5	1.7	-		1.4 138	12x43	1.9 0.11 43.2 -
25	4x14	0.6	1.9	-		1.8 173	12x43	2.3 0.14 48.3 -
30	4x15	0.6	1.9	-		2.1 207	12x44	2.3 0.14 48.3 -
15	4x24	0.9	1.7	-		1.1 104	12x79	3.4 0.20 43.2 -
20	4x28	1.0	1.7	-	7083 15CST CENTER STRIP	1.4 138	12x85	3.8 0.22 43.2 -
25	4x28	1.1	1.9	-		1.8 173	12x85	4.2 0.25 48.3 -
30	4x30	1.2	1.9	-		2.1 207	12x91	4.5 0.27 48.3 -
15	4x24	0.9	1.7	-	7084 15SS SIDE STRIP	1.1 104	12x79	3.4 0.20 43.2 -
20	4x28	1.0	1.7	-		1.4 138	12x85	3.8 0.22 43.2 -
25	4x28	1.1	1.9	-		1.8 173	12x85	4.2 0.25 48.3 -
30	4x30	1.2	1.9	-		2.1 207	12x91	4.5 0.27 48.3 -

<sup>1</sup>Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation.  
Assumes zero wind for precipitation and radius. Adjust for local conditions.

# SPRAY HEAD Sprinklers

## Features

Precise spray patterns helps eliminate wasted water and dry spots



**Stainless steel adjustment screw** reduces radius.

Will not rust

**Dome design cap**

flushes sand and debris away from piston

**Double-lipped wiper seal** insures that sand and

debris are kept out of the body and seal

**One piece filter screen** and seat

insure the reliability and quality of the

spray pattern

ABS heavy-duty plastic materials used on all

pop-up bodies and nozzles is proven strong

and tough in sprinkler applications

**Friction Collar**

cuts installation time and

allows 360° adjustment of the piston to align

pattern exactly

**ANTI-DRAIN VALVE** and heavy-duty spring

(Pro 6400-ADV) helps eliminate low head drainage and

puddling. Holds back up to 10' difference in elevation