

Super 800 Series

Turf, ground cover, planting beds, slopes
Radius: 28'–50'
Flow rate: 0.50–10 GPM
Pressure: 30–50 psi

Application: With an impressive feature set, this proven rotor provides versatility, easy adjustment and trouble-free operation for a wide range of medium to large residential and light commercial applications.



Specifications

All Models

Radius:	28'–50' (8,5–15,2m)
Flow rate:	0.50–10 GPM (1,8–37,8 LPM)
Recommended operating pressure range:	30–50 psi (2,0–3,5 Bar)
Maximum operating pressure:	70 psi (4,7 Bar)
Inlet:	¾" (20mm) NPT female-threaded

Lawn Pop-up

Pop-up to nozzle:	4½" (115mm)
Dimensions:	Body diameter: 2¾" (60mm) Cap diameter: 2.9" (74mm) Height: 7.6" (193mm)

Check valve (Optional):
Maintains up to 6' (1,8m) elevation change

Shrub

Height:	7¾" (197mm)
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High-pop

Dimensions:	Body diameter: 2¼" (70mm) Cap diameter: 3" (75mm) Height: 27" (686mm)
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Operational Features

- Top arc indication for easy adjustments from 40°–360°
- 5" (127mm) pop-up height clears tall grasses and allows for conservation and less frequent mowing
- Part- and full-circle arcs in one sprinkler offer convenience and reduce inventory requirements
- Continuous unidirectional rotation provides uniform coverage when set at 360°
- Smart Arc™ memory returns sprinkler to previously set arc if vandalized
- Pressure activated seal and robust trip mechanism for enhanced reliability
- Standard rubber cover for safety
- Effluent and check valve options—for safety in reclaimed water situations and to prevent low-head drainage
- Five-year warranty

Installation Features

- Selection of body styles: pop, shrub and high pop—to satisfy varying installation requirements (such as slopes with shrub models)
- Nozzle tree with 9 standard and 4 low-angle nozzles to cover varying flow requirements and different trajectories
- Stainless steel radius adjustment screw allows up to 25% radius reduction
- Trajectory: 26°

Specifying Information

S800XXX	XX	COM	E
Body	Nozzles		Optional
S—Shrub	50—0.50	30—3.0	COM—Check-O-Matic E—Effluent
5P—5" Lawn Pop-up	75—0.75	40—4.0	
12P—12" High-pop	10—1.0	60—6.0	
	20—2.0	80—8.0	
	25—2.5		

Example: A Super 800 Series Sprinkler with a 5" pop-up height, would be specified as: **S8005P**

Super 800 Performance Data—U.S.

Nozzle	psi	GPM	Radius
.50	30	0.3	28
	40	0.4	29
	50	0.5	29
	60	0.6	30
.75	30	0.5	29
	40	0.6	30
	50	0.7	31
	60	0.8	32
1.0	30	1.3	32
	40	1.5	33
	50	1.7	34
	60	1.9	35
2.0	30	2.0	33
	40	2.4	34
	50	2.7	35
	60	3.0	36
2.5	30	2.5	34
	40	3.0	35
	50	3.5	36
	60	3.9	37
3.0	30	3.2	35
	40	3.7	36
	50	4.3	37
	60	4.8	38
4.0	30	4.0	36
	40	4.9	37
	50	5.6	38
	60	6.2	39
6.0	30	5.4	37
	40	6.4	39
	50	7.3	41
	60	8.1	43
8.0	30	6.8	38
	40	8.2	40
	50	9.5	42
	60	10.6	44

Radius shown in feet. Data based on 360°.

Super 800 Performance Data—Metric

Nozzle	psi	LPM	Radius
.50	2,0	1,1	8,5
	3,0	1,5	8,8
	3,5	1,9	8,8
	4,0	2,3	9,1
.75	2,0	1,9	8,8
	3,0	2,3	9,1
	3,5	2,7	9,4
	4,0	3,0	9,8
1.0	2,0	4,9	9,8
	3,0	5,7	10,1
	3,5	6,5	10,4
	4,0	7,2	10,7
2.0	2,0	7,6	10,1
	3,0	9,1	10,4
	3,5	10,3	10,7
	4,0	11,4	11,0
2.5	2,0	7,6	10,1
	3,0	9,1	10,4
	3,5	10,3	10,7
	4,0	11,4	11,0
3.0	2,0	12,2	10,7
	3,0	14,1	11,0
	3,5	16,3	11,3
	4,0	18,2	11,6
4.0	2,0	15,2	11,0
	3,0	18,6	11,3
	3,5	21,3	11,6
	4,0	23,6	11,9
6.0	2,0	20,5	11,3
	3,0	24,3	11,9
	3,5	27,7	12,5
	4,0	30,8	13,1
8.0	2,0	25,8	11,6
	3,0	31,2	12,2
	3,5	36,1	12,8
	4,0	40,3	13,4

Radius shown in feet. Data based on 360°.



Super 800 Low-angle Nozzle Performance Data—U.S.

Nozzle	psi	GPM	Radius
1.0	30	1.1	28
	40	1.3	29
	50	1.5	30
	60	1.7	31
3.0	30	2.3	30
	40	2.8	33
	50	3.1	35
	60	3.4	37
4.0	30	3.8	31
	40	4.5	34
	50	5.1	37
	60	5.6	39
6.0	30	4.9	32
	40	5.8	35
	50	6.5	39
	60	7.2	31

Radius shown in feet. Data based on 360°.

Super 800 Low-angle Nozzle Performance Data—Metric

Nozzle	psi	GPM	Radius
1.0	2,0	4,2	8,5
	3,0	4,9	8,8
	3,5	5,7	9,1
	4,0	6,5	9,4
3.0	2,0	8,7	9,1
	3,0	10,6	10,1
	3,5	11,8	10,7
	4,0	12,9	11,3
4.0	2,0	14,4	9,4
	3,0	17,1	10,4
	3,5	19,4	11,3
	4,0	21,3	11,9
6.0	2,0	18,6	9,8
	3,0	22,0	10,7
	3,5	24,7	11,9
	4,0	27,4	9,4

Radius shown in feet. Data based on 360°.

The performance data in this catalog show average values obtained while testing in an enclosed, zero-wind facility. All precipitation rates are based on a full-circle application of the nozzle to maximum radius.

Your results will vary depending on both your spacing requirements and environmental conditions.

To obtain precipitation rates for a 1/2 circle sprinkler, multiply the chart values by 2. For a 1/4 circle sprinkler, multiply the chart values by 4.