

## Water Management Highlight



### Check valve

The optional check valve eliminates low head drainage and keeps the laterals fully charged with water.

## Specifications

Model	Description
• S800	5" Lawn Pop-up w/o Check Valve
• S800CK	5" Lawn Pop-up w/Check Valve
• S800E	5" Lawn Pop-up w/o Check Valve and Effluent Cover
• S800CKE	5" Lawn Pop-up w/Check Valve and Effluent Cover
• S800S	Shrub
• S800SE	Shrub w/Effluent Rubber Cover
• S800HP	12" High Pop with check valve
• S800HPE	12" High Pop w/Check Valve and Effluent Rubber Cover

## Dimensions

- Body Diameter:
  - Lawn Pop-up: 2 3/8"
  - High-pop: 2 1/4"
- Cap Diameter:
  - Lawn Pop-up: 2 5/6"
  - High-pop: 3"
- Height:
  - Lawn Pop-up: 7 5/8"
  - High-Pop: 17"
  - Shrub: 7 3/4"

## Operating Specifications

- Radius: 28' – 50'
- Flow Rate: 0.5 – 10 GPM
- Recommended Operating Pressure Range: 30-60 psi (maximum-70 psi)
- Trajectory: 28°
- Pop-up to nozzle: 4 1/2" on Lawn Pop-up
- Lawn model comes factory installed with 2.5 nozzle set at 90 degrees
- Inlet: 3/4" NPT female-threaded

## Additional Features

- Pressure activated seal and robust trip mechanism
- Standard rubber cover
- Selection of body styles: Lawn Pop-up, Shrub and High-pop
- Nozzle tree with 9 standard and 4 low-angle nozzles
- Stainless steel radius adjustment screw allows up to 25% radius reduction

## Options Available

- 102-2024 – Adjustment Tool
- CK – Check Valve – maintains up to 6' elevation change
- Effluent water indicator

## Warranty

- Five years

## Super 800 Performance Data

Nozzle	psi	GPM	Radius	Precipitation Rate	
				(in/hr) ▲	(in/hr) ■
.50	30	0.5	28	0.07	0.06
	40	0.6	29	0.08	0.07
	50	0.7	29	0.09	0.08
	60	0.8	30	0.10	0.09
.75	30	0.7	29	0.09	0.08
	40	0.8	30	0.10	0.09
	50	0.9	31	0.10	0.09
	60	1.0	32	0.11	0.09
1.0	30	1.3	32	0.14	0.12
	40	1.5	33	0.15	0.13
	50	1.6	34	0.15	0.13
	60	1.8	35	0.16	0.14
2.0	30	2.4	37	0.19	0.17
	40	2.5	40	0.17	0.15
	50	3.0	42	0.19	0.16
	60	3.3	43	0.20	0.17
2.5*	30	2.5	38	0.19	0.17
	40	2.8	39	0.20	0.18
	50	3.2	40	0.22	0.19
	60	3.5	41	0.23	0.20
3.0	30	3.6	38	0.28	0.24
	40	4.2	39	0.31	0.27
	50	4.6	41	0.30	0.26
	60	5.0	42	0.32	0.27
4.0	30	4.4	43	0.26	0.23
	40	5.1	44	0.29	0.25
	50	5.6	46	0.29	0.25
	60	5.9	49	0.27	0.24
6.0	40	5.9	45	0.32	0.28
	50	6.0	46	0.32	0.27
	60	6.3	48	0.30	0.26
	70	6.7	49	0.31	0.27
8.0	40	8.0	42	0.50	0.44
	50	8.5	45	0.47	0.40
	60	9.5	49	0.44	0.48
	70	10.0	50	0.44	0.49

Radius shown in feet. Data based on 360°.  
\*Factory installed nozzle.

## Super 800 Low-angle Nozzle Performance Data

Nozzle	psi	GPM	Radius	Precipitation Rate	
				(in/hr) ▲	(in/hr) ■
1.0	30	1.1	22	0.28	0.24
	40	1.3	24	0.33	0.28
	50	1.5	26	0.30	0.26
	60	1.7	28	0.28	0.25
3.0	30	2.3	29	0.40	0.34
	40	2.8	32	0.34	0.29
	50	3.1	35	0.32	0.28
	60	3.4	37	0.31	0.27
4.0	30	3.8	31	0.39	0.34
	40	4.5	34	0.37	0.32
	50	5.1	37	0.36	0.31
	60	5.6	38	0.36	0.31
6.0	30	4.9	38	0.50	0.43
	40	5.8	40	0.51	0.44
	50	6.5	42	0.50	0.44
	70	7.2	44	0.49	0.43

Radius shown in feet. Data based on 360°.

## Specifying Information—Super 800

S800 XXX-XX-CK-E				
Description	Body	Nozzle	Optional	Optional
S800	XXX	XX	COM	E
S800—Super 800 Rotor	S—Shrub P—5" Lawn Pop-up 12H—12" High-pop	50—0.50 30—3.0 75—0.75 40—4.0 10—1.0 60—6.0 20—2.0 80—8.0 25—2.5	CK—Check Valve	Effluent
Example: A Super 800 Series Sprinkler with a 5" pop-up height and a 2.5 nozzle, would be specified as: <b>S800P25</b>				