

810G Series

Radius: 33'–71'

Flow rate: 6.7–27 GPM

Pressure: 40–100 psi

Specifications

Radius:

33'–71' (10–21,6m)

Flow rate:

6.7–27 GPM (25,3–102,2 LPM)

Recommended operating pressure:

40–100 psi (2,7–7,0 Bar)

Inlet:

Dimensions:

Pop-up to center of nozzle: 4¾" (120mm)

Base diameter: 2¾" (60mm)

Height: 9¼" (234mm)

Check valve:

Reversible check valve prevents low-head drainage (maintains up to 6' (1,9m) elevation change)

Operational Features

- Exclusive Trjectory™ adjustment from 5° to 25° for fine tuning nozzle spray trajectory to avoid low-hanging branches or compensate for wind
- Patented X-Flow® shutoff device built into the riser to turn off the sprinkler flow allowing for maintenance or partial installations.
- Simple to set watering pattern with adjusting band—the arc is factory pre-set to 180°, if that's not the arc you need, just turn the easy-to-adjust black band
- Full 5" pop-up to clear tall grasses
- Smart Arc™ memory returns sprinkler to previously set arc if vandalized and slip clutch assures no damage to gears
- Below-grade installation allows for maximum safety helping to eliminate the potential for liability
- TruArc for easy arc set—eliminates the need to double check—for ease in installation and to eliminate the palming of a sprinkler to check the final arc setting

- Effluent and check valve options—for safety in reclaimed water situations and to prevent low-head drainage
- Unique, over-molded wiper seal for greater debris resistance and below-grade installation
- Cluster, water-lubricated, gear-drive design
- Standard rubber cover for safety
- Large filter screen to prevent clogging
- Five-year warranty

Installation Features

- Color-coded nozzle tree with seven nozzles to cover varying flow requirements and for quick and easy nozzle identification
- Factory-installed with a #12 nozzle
- Arc adjustment from 30°–360°
- Continuous, unidirectional rotation provides uniform water coverage when set at 360°
- Stainless steel radius adjustment screw allows up to 25% radius reduction



810G Performance Data—U.S.

Nozzle Size	psi	Flow	5°			15°			25°		
			Radius	Precip Rate*		Radius	Precip Rate*		Radius	Precip Rate*	
				△	□		△	□		△	□
7 Orange	40	6.7	33	0.68	0.59	39	0.38	0.44	44	0.29	0.33
	50	7.1	37	0.57	0.50	42	0.34	0.39	46	0.28	0.32
	60	7.8	38	0.60	0.52	43	0.36	0.41	47	0.29	0.34
	70	8.4	40	0.58	0.51	44	0.36	0.42	48	0.30	0.35
	80	9.1	41	0.60	0.52	45	0.37	0.43	49	0.32	0.37
	90	9.5	42	0.60	0.52	46	0.38	0.43	50	0.32	0.37
9 Red	100	10.6	43	0.64	0.55	47	0.40	0.46	51	0.34	0.39
	40	7.1	33	0.73	0.63	39	0.39	0.45	45	0.29	0.34
	50	8.0	37	0.65	0.56	42	0.38	0.44	47	0.30	0.35
	60	8.7	38	0.67	0.58	43	0.39	0.45	48	0.31	0.36
	70	9.3	38	0.71	0.62	44	0.41	0.47	49	0.32	0.37
	80	9.7	40	0.68	0.59	45	0.40	0.46	50	0.32	0.37
12 Black	90	10.9	42	0.68	0.59	47	0.42	0.48	51	0.35	0.40
	100	11.6	43	0.70	0.60	47	0.44	0.51	51	0.37	0.43
	40	9.7	33	0.99	0.86	39	0.53	0.61	45	0.40	0.46
	50	11.4	37	0.93	0.80	43	0.53	0.61	48	0.41	0.48
	60	12.4	38	0.95	0.82	44	0.53	0.61	50	0.41	0.48
	70	13.4	39	0.98	0.85	45	0.55	0.64	51	0.43	0.50
16 Blue	80	14.2	40	0.99	0.86	46	0.56	0.65	52	0.44	0.51
	90	15.2	42	0.96	0.83	48	0.56	0.65	53	0.45	0.52
	100	16.0	43	0.96	0.83	48	0.58	0.67	53	0.48	0.55
	40	12.7	34	1.22	1.06	40	0.66	0.76	46	0.50	0.58
	50	14.5	38	1.12	0.97	45	0.60	0.69	52	0.45	0.52
	60	16.0	42	1.01	0.87	49	0.57	0.65	55	0.44	0.51
20 Green	70	17.4	44	1.00	0.86	51	0.56	0.64	58	0.43	0.50
	80	18.3	47	0.92	0.80	53	0.55	0.64	58	0.45	0.52
	90	19.6	48	0.94	0.82	54	0.57	0.66	59	0.47	0.54
	100	20.5	50	0.91	0.79	55	0.56	0.65	60	0.47	0.55
	40	14.0	34	1.35	1.17	41	0.71	0.82	47	0.53	0.61
	50	16.2	38	1.24	1.08	46	0.65	0.75	53	0.48	0.55
24 Brown	60	17.9	42	1.13	0.98	50	0.60	0.69	58	0.44	0.51
	70	19.3	48	0.93	0.81	55	0.54	0.63	61	0.43	0.50
	80	20.7	49	0.96	0.83	56	0.55	0.64	63	0.43	0.50
	90	21.9	51	0.94	0.81	56	0.58	0.67	61	0.49	0.57
	100	22.9	51	0.98	0.85	58	0.57	0.66	65	0.45	0.52
	40	14.7	35	1.33	1.15	41	0.73	0.84	47	0.55	0.64
27 Gray	50	16.4	41	1.08	0.94	48	0.59	0.68	55	0.45	0.52
	60	17.7	46	0.93	0.81	52	0.55	0.63	58	0.44	0.51
	70	18.9	49	0.87	0.76	55	0.52	0.60	61	0.42	0.49
	80	20.3	50	0.90	0.78	56	0.54	0.62	62	0.44	0.51
	90	21.6	54	0.82	0.71	60	0.51	0.59	65	0.43	0.49
	100	22.8	56	0.81	0.70	62	0.50	0.58	67	0.42	0.49
27 Gray	40	16.7	34	1.61	1.39	41	0.83	0.96	48	0.60	0.70
	50	19.0	38	1.46	1.27	47	0.72	0.83	56	0.51	0.58
	60	20.9	43	1.25	1.09	52	0.66	0.76	60	0.48	0.56
	70	22.7	49	1.05	0.91	56	0.60	0.70	63	0.48	0.55
	80	24.2	52	1.00	0.86	59	0.59	0.68	65	0.48	0.55
	90	25.6	55	0.94	0.81	62	0.55	0.64	69	0.45	0.52
100	27.0	57	0.92	0.80	64	0.55	0.63	71	0.45	0.52	

* △ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter.

□ Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.

All performance specifications are based on the stated working pressure available at the base of the sprinkler.

Radius shown in feet. Data based on 360°.

#12 nozzle comes pre-installed from factory.

810G "L" Series Low pressure



Radius: 20'–47'
Flow rate: 1.0–9.8 GPM
Pressure: 40–100 psi

Specifications

Radius:
20'–47' (6,1–14,3m)

Flow rate:
1.0–9.8 GPM (3,8–37.1 LPM)

Recommended operating pressure:
40–100 psi (2,7–7,0 Bar)

Inlet:
1" (20mm) female threaded NPT, BSP and ACME

Dimensions:
Pop-up to center of nozzle: 4¾" (120mm)
Base diameter: 2¾" (60mm)
Height: 9¼" (234mm)

Check valve:
Reversible check valve prevents low-head drainage (maintains up to 6' (1,9m) elevation change)

810G "L" Performance Data—U.S.

Nozzle Size	psi	Flow	5°		15°		25°	
			Radius	Precip. Rate*	Radius	Precip. Rate*	Radius	Precip. Rate*
1.0 ● Yellow	30	1.0	20	0.28 0.24	26	0.16 0.14	30	0.12 0.11
	40	1.1	21	0.28 0.24	27	0.18 0.15	30	0.14 0.12
	50	1.3	22	0.30 0.26	27	0.20 0.17	31	0.15 0.13
	60	1.4	25	0.26 0.23	28	0.20 0.17	31	0.17 0.15
	70	1.5	25	0.29 0.25	28	0.22 0.19	31	0.18 0.16
1.5 ● Orange	30	1.2	28	0.18 0.15	30	0.15 0.13	34	0.12 0.10
	40	1.4	29	0.19 0.17	31	0.16 0.14	35	0.13 0.11
	50	1.6	29	0.21 0.18	32	0.18 0.15	36	0.14 0.12
	60	1.7	31	0.21 0.18	32	0.19 0.16	36	0.15 0.13
	70	1.9	31	0.22 0.19	32	0.21 0.18	35	0.18 0.15
2.0 ● Red	30	1.7	31	0.19 0.17	32	0.18 0.16	36	0.14 0.12
	40	1.9	31	0.22 0.19	34	0.18 0.16	38	0.15 0.13
	50	2.2	32	0.24 0.21	35	0.20 0.17	38	0.17 0.14
	60	2.4	33	0.25 0.22	36	0.20 0.18	39	0.18 0.15
	70	2.6	33	0.27 0.23	36	0.22 0.19	39	0.20 0.17
3.0* ● Black	30	2.3	31	0.27 0.23	34	0.23 0.20	38	0.18 0.16
	40	2.6	31	0.31 0.26	35	0.25 0.21	40	0.19 0.16
	50	3.0	33	0.30 0.26	36	0.26 0.22	41	0.20 0.17
	60	3.3	35	0.31 0.27	38	0.26 0.23	42	0.21 0.18
	70	3.6	35	0.32 0.28	39	0.27 0.23	44	0.21 0.18
4.5 ● Blue	30	3.6	31	0.42 0.36	34	0.35 0.30	39	0.26 0.23
	40	4.1	32	0.44 0.38	35	0.38 0.33	40	0.28 0.24
	50	4.6	34	0.45 0.39	37	0.39 0.33	41	0.31 0.27
	60	5.1	35	0.48 0.41	38	0.39 0.34	42	0.32 0.28
	70	5.6	36	0.48 0.42	39	0.41 0.35	42	0.35 0.31
6.0 ● Green	30	4.4	31	0.51 0.44	35	0.40 0.35	41	0.29 0.25
	40	5.0	32	0.56 0.48	37	0.42 0.36	42	0.32 0.28
	50	5.7	35	0.53 0.46	40	0.39 0.34	43	0.34 0.30
	60	6.3	37	0.51 0.44	40	0.45 0.39	43	0.39 0.33
	70	6.8	38	0.54 0.47	41	0.45 0.39	45	0.38 0.33
7.5 ● Brown	30	4.9	34	0.47 0.41	35	0.45 0.39	41	0.32 0.28
	40	5.6	36	0.49 0.42	36	0.48 0.41	41	0.38 0.33
	50	6.3	35	0.57 0.49	37	0.52 0.45	42	0.40 0.35
	60	6.9	36	0.61 0.53	38	0.55 0.47	42	0.44 0.38
	70	7.5	37	0.63 0.54	38	0.58 0.50	43	0.45 0.39
9.0 ● Gray	30	6.1	34	0.59 0.51	34	0.59 0.51	42	0.38 0.33
	40	7.0	35	0.64 0.55	35	0.65 0.57	42	0.44 0.38
	50	8.0	35	0.73 0.63	37	0.65 0.56	44	0.46 0.40
	60	8.9	35	0.80 0.70	39	0.66 0.58	45	0.50 0.43
	70	9.8	37	0.82 0.71	40	0.68 0.59	47	0.50 0.44

Specifying Information— 810G & 810G "L"

810G-X2-X		
Model	Body Threads	Optional
810G	X2	E
810G—810G Sprinkler 810G "L"—810G Low Pressure Sprinkler	0—NPT 4—ACME 5—BSP	E—Effluent
Example: An 810G Series Sprinkler designed for low pressure and having NPT threads, would be specified as: 810G"L"-02		

Operational Features

- Exclusive Trajectory™ adjustment from 5° to 25° for fine tuning nozzle spray trajectory to avoid low-hanging branches or compensate for wind
- Patented X-Flow® shutoff device built into the riser to turn off the sprinkler flow allowing for maintenance or partial installations.
- Simple to set watering pattern with adjusting band—the arc is factory pre-set to 180°, if that's not the arc you need, just turn the easy-to-adjust black band
- Full 5" pop-up to clear tall grasses
- Smart Arc™ memory returns sprinkler to previously set arc if vandalized and slip clutch assures no damage to gears
- Below-grade installation allows for maximum safety helping to eliminate the potential for liability
- TruArc for easy arc set—eliminates the need to double check—for ease in installation and to eliminate the palming of a sprinkler to check the final arc setting

- Effluent and check valve options—for safety in reclaimed water situations and to prevent low-head drainage
- Unique, over-molded wiper seal for greater debris resistance and below-grade installation
- Cluster, water-lubricated, gear-drive design
- Standard rubber cover for safety
- Large filter screen to prevent clogging
- Five-year warranty

Installation Features

- Color-coded nozzle tree with eight nozzles to cover varying flow requirements and for quick and easy nozzle identification
- Factory-installed with a #3 nozzle
- Arc adjustment from 30°–360°
- Continuous, unidirectional rotation provides uniform water coverage when set at 360°
- Stainless steel radius adjustment screw allows up to 25% radius reduction