

Part-Circle Impact



Part-circle impact sprinklers can be adjusted to match the desired area of coverage.

Senninger's Part-Circle sprinklers are designed specifically for use where a directional impact sprinkler is required. Engineered to deliver maximum efficiency at low to moderate flow rates for agriculture, nursery, effluent disposal, dust suppression, and industrial applications.

Features

- Distributes water in a 60° - 360° adjustable pattern in 5° increments, no tools needed
- Easily convertible to full-circle operation
- Covered reversing mechanism
- 23° nozzle trajectory for maximum radius of throw
- Wide range of nozzle and vane combinations for excellent distribution at all pressures
- Inlet size: 3/4" M NPT
- Flow range: 2.42 to 16.10 gpm (550 to 3657 L/hr)
- Color-coded nozzles for easy size identification are warranted to maintain correct orifice size for five years
- Two-year warranty on materials, workmanship

3123

Sprinkler base pressure (psi)							(bar)						
	30	35	40	45	50	55		2.07	2.41	2.76	3.10	3.45	3.79
#8 Nozzle - Lavender (1/8")							#8 Nozzle - Lavender (3.18 mm)						
Flow (gpm)	2.42	2.62	2.79	2.97	3.12	3.28	Flow (L/hr)	550	595	634	675	709	745
Radius at 1.5 ft ht (ft)	38	39	40	41	42	42	Radius at 0.5 m ht (m)	12	12	12	12	13	13
Radius at 3.0 ft ht (ft)	40	41	42	42	43	43	Radius at 0.9 m ht (m)	12	12	13	13	13	13
#9 Nozzle - Grey (9/64")							#9 Nozzle - Grey (3.57 mm)						
Flow (gpm)	3.08	3.33	3.56	3.78	3.98	4.18	Flow (L/hr)	700	756	809	859	904	949
Radius at 1.5 ft ht (ft)	40	41	42	43	43	44	Radius at 0.5 m ht (m)	12	12	13	13	13	13
Radius at 3.0 ft ht (ft)	41	43	44	44	45	45	Radius at 0.9 m ht (m)	12	13	13	13	14	14
#10 Nozzle - Turquoise (5/32")							#10 Nozzle - Turquoise (3.97 mm)						
Flow (gpm)	3.82	4.13	4.41	4.68	4.93	5.17	Flow (L/hr)	868	938	1002	1063	1120	1174
Radius at 1.5 ft ht (ft)	41	43	44	45	45	46	Radius at 0.5 m ht (m)	12	13	13	14	14	14
Radius at 3.0 ft ht (ft)	41	44	45	46	46	47	Radius at 0.9 m ht (m)	12	13	14	14	14	14

Sprinkler performance may vary with actual field conditions. Radius shown is for standard straight bore nozzles and stream straightening vanes. Other nozzles and/or vane combinations are available; Consult factory for specific performance data. Stream heights range from 6.0 - 10.0 ft (1.8-3.1 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m).

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Sprinkler base pressure													
(psi)	30	35	40	45	50	55	(bar)	2.07	2.41	2.76	3.10	3.45	3.79
#10 Nozzle - Turquoise (5/32")							#10 Nozzle - Turquoise (3.97 mm)						
Flow (gpm)	3.82	4.13	4.41	4.68	4.93	5.17	Flow (L/hr)	868	938	1002	1063	1120	1174
Radius at 1.5 ft ht (ft)	41	43	44	45	45	46	Radius at 0.5 m ht (m)	12	13	13	14	14	14
Radius at 3.0 ft ht (ft)	41	44	45	46	46	47	Radius at 0.9 m ht (m)	12	13	14	14	14	14
#11 Nozzle - Yellow (11/64")							#11 Nozzle - Yellow (4.37 mm)						
Flow (gpm)	4.63	5.00	5.34	5.67	5.98	6.27	Flow (L/hr)	1052	1136	1213	1288	1358	1424
Radius at 1.5 ft ht (ft)	44	45	46	47	48	48	Radius at 0.5 m ht (m)	13	14	14	14	14	15
Radius at 3.0 ft ht (ft)	45	45	47	48	49	49	Radius at 0.9 m ht (m)	14	14	14	15	15	15
#12 Nozzle - Red (3/16")							#12 Nozzle - Red (4.76 mm)						
Flow (gpm)	5.52	5.97	6.37	6.76	7.13	7.48	Flow (L/hr)	1254	1356	1447	1535	1619	1699
Radius at 1.5 ft ht (ft)	45	46	48	49	50	51	Radius at 0.5 m ht (m)	14	14	14	15	15	15
Radius at 3.0 ft ht (ft)	46	47	49	50	51	51	Radius at 0.9 m ht (m)	14	14	15	15	15	16
#13 Nozzle - White (13/64")							#13 Nozzle - White (5.16 mm)						
Flow (gpm)	6.50	7.02	7.49	7.95	8.38	8.80	Flow (L/hr)	1476	1594	1701	1806	1903	1999
Radius at 1.5 ft ht (ft)	45	47	48	50	51	51	Radius at 0.5 m ht (m)	14	14	15	15	15	16
Radius at 3.0 ft ht (ft)	46	48	49	50	51	52	Radius at 0.9 m ht (m)	14	14	15	15	16	16

5123

Sprinkler base pressure													
(psi)	30	35	40	45	50	55	(bar)	2.07	2.41	2.76	3.10	3.45	3.79
#13 Nozzle - White (13/64")							#13 Nozzle - White (5.16 mm)						
Flow (gpm)	6.50	7.02	7.49	7.95	8.38	8.80	Flow (L/hr)	1476	1594	1701	1806	1903	1999
Radius at 1.5 ft ht (ft)	45	47	48	50	51	51	Radius at 0.5 m ht (m)	14	14	15	15	15	16
Radius at 3.0 ft ht (ft)	46	48	49	50	51	52	Radius at 0.9 m ht (m)	14	14	15	15	16	16
#14 Nozzle - Blue (7/32")							#14 Nozzle - Blue (5.56 mm)						
Flow (gpm)	7.49	8.09	8.63	9.17	9.66	10.10	Flow (L/hr)	1701	1837	1960	2083	2194	2294
Radius at 1.5 ft ht (ft)	46	47	49	50	51	52	Radius at 0.5 m ht (m)	14	14	15	15	16	16
Radius at 3.0 ft ht (ft)	47	49	51	52	53	54	Radius at 0.9 m ht (m)	14	15	16	16	16	16
#15 Nozzle - Dark Brown (15/64")							#15 Nozzle - Dark Brown (5.95 mm)						
Flow (gpm)	8.51	9.19	9.81	10.40	11.00	11.50	Flow (L/hr)	1933	2087	2228	2362	2498	2612
Radius at 1.5 ft ht (ft)	46	48	50	51	52	53	Radius at 0.5 m ht (m)	14	15	15	16	16	16
Radius at 3.0 ft ht (ft)	48	50	52	53	54	56	Radius at 0.9 m ht (m)	15	15	16	16	16	17
#16 Nozzle - Orange (1/4")							#16 Nozzle - Orange (6.35 mm)						
Flow (gpm)	9.63	10.40	11.10	11.80	12.40	13.00	Flow (L/hr)	2187	2362	2521	2680	2816	2953
Radius at 1.5 ft ht (ft)	47	50	51	53	54	55	Radius at 0.5 m ht (m)	14	15	16	16	16	17
Radius at 3.0 ft ht (ft)	48	51	53	55	56	57	Radius at 0.9 m ht (m)	15	16	16	17	17	17
#17 Nozzle - Dark Green (17/64")							#17 Nozzle - Dark Green (6.75 mm)						
Flow (gpm)	10.70	11.60	12.30	13.10	13.80	14.50	Flow (L/hr)	2430	2635	2794	2975	3134	3293
Radius at 1.5 ft ht (ft)	47	50	52	54	55	56	Radius at 0.5 m ht (m)	14	15	16	16	17	17
Radius at 3.0 ft ht (ft)	49	51	54	56	57	58	Radius at 0.9 m ht (m)	15	16	16	17	17	18
#18 Nozzle - Purple (9/32")							#18 Nozzle - Purple (7.14 mm)						
Flow (gpm)	11.90	12.90	13.70	14.60	15.40	16.10	Flow (L/hr)	2703	2930	3112	3316	3498	3657
Radius at 1.5 ft ht (ft)	47	50	53	55	56	57	Radius at 0.5 m ht (m)	14	15	16	17	17	17
Radius at 3.0 ft ht (ft)	49	52	54	56	58	59	Radius at 0.9 m ht (m)	15	16	16	17	18	18