

# Part-Circle 3123, 4123 & 5123 (Effluent Impact Sprinkler)



*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.

## PART-CIRCLE MODELS

### Features

- Flow range: 2.42 to 16.10 gpm (550 to 3657 L/hr)
- Wide range of nozzle and vane combinations for excellent distribution at all pressures
- Distributes water in a 60° to 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
- Base connection: 3/4" M NPT
- Color-coded nozzles for easy size identification are warranted to retain correct orifice size for five years
- Lavender cap to correspond to industry standards denoting use of non-potable water
- Two year manufacturer's warranty on materials, workmanship and performance

## Part-Circle Impact

		Sprinkler base pressure													
		(psi)	30	35	40	45	50	55	(bar)	2.07	2.41	2.76	3.10	3.45	3.79
3123 PC nozzle range	<b>#8 Nozzle - Lavender (1/8")</b>							<b>#8 Nozzle - Lavender (3.18 mm)</b>							
	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	
	<b>#9 Nozzle - Grey (9/64")</b>							<b>#9 Nozzle - Grey (3.57 mm)</b>							
	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	
	<b>#10 Nozzle - Turquoise (5/32")</b>							<b>#10 Nozzle - Turquoise (3.97 mm)</b>							
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		
4123 PC nozzle range	<b>#11 Nozzle - Yellow (11/64")</b>							<b>#11 Nozzle - Yellow (4.37 mm)</b>							
	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 0.5m ht (m)	13	14	14	14	14	15	
	Radius at 3.0 ft ht (ft)	45	45	47	48	49	49	Radius at 0.9m ht (m)	14	14	14	15	15	15	
	<b>#12 Nozzle - Red (3/16")</b>							<b>#12 Nozzle - Red (4.76 mm)</b>							
	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 0.5m ht (m)	14	14	14	15	15	15	
	Radius at 3.0 ft ht (ft)	46	47	49	50	51	51	Radius at 0.9m ht (m)	14	14	15	15	15	16	
	<b>#13 Nozzle - White (13/64")</b>							<b>#13 Nozzle - White (5.16 mm)</b>							
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 0.5m ht (m)	14	14	15	15	15	16		
Radius at 3.0 ft ht (ft)	46	48	49	50	51	52	Radius at 0.9m ht (m)	14	14	15	15	16	16		
5123 PC nozzle range	<b>#14 Nozzle - Blue (7/32")</b>							<b>#14 Nozzle - Blue (5.56 mm)</b>							
	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	
	<b>#15 Nozzle - Dark Brown (15/64")</b>							<b>#15 Nozzle - Dark Brown (5.95 mm)</b>							
	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	
	<b>#16 Nozzle - Orange (1/4")</b>							<b>#16 Nozzle - Orange (6.35 mm)</b>							
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		
<b>#17 Nozzle - Dark Green (17/64")</b>							<b>#17 Nozzle - Dark Green (6.75 mm)</b>								
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		
<b>#18 Nozzle - Purple (9/32")</b>							<b>#18 Nozzle - Purple (7.14 mm)</b>								
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		

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 to 10.0 ft (1.8 to 3.1 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m).