

40 Series

IMPACTS

Senninger's 40 Series impact sprinklers deliver mid-range flows in comparison to the 30 and 50 series models.



View of 4023-2 spreader nozzle.

FEATURES

- Wide range of nozzle and vane combinations for excellent distribution at all pressures
- Built-in hex wrench for easy in-the-field maintenance
- 23° model available with double nozzle
- Two trajectories available:
12° - ideal for under-tree irrigation
23° - for maximum throw on overhead systems
- Connection: 3/4" NPT male (female also available)
- Flow rates: 3.82 to 12.6 gpm (868 to 2862 L/hr)
- Operating pressures: 30 to 60 psi (2.07 to 4.14 bar)
- Two-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification. Warranted to maintain correct orifice size for five years

CONVENIENT HAND TIGHT NOZZLES!



No tools required with the easy change/easy clean nozzle and vane combination. Half size and square orifice nozzles also available.

4012-1 SPRINKLER BASE PRESSURE-US	psi							SPRINKLER BASE PRESSURE-METRIC	bar						
	30	35	40	45	50	55	60		2.07	2.41	2.76	3.10	3.45	3.79	4.14
#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	5.40	Flow (L/hr)	868	938	1002	1063	1120	1174	1226
Diameter at 1.5 ft ht (ft)	73	77	80	83	86	89	91	Diameter at 0.46 m ht (m)	22.3	23.5	24.4	25.3	26.2	27.1	27.7
#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	6.55	Flow (L/hr)	1052	1136	1213	1288	1358	1424	1488
Diameter at 1.5 ft ht (ft)	76	80	83	86	89	92	94	Diameter at 0.46 m ht (m)	23.2	24.4	25.3	26.2	27.1	28.0	28.7
#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	7.81	Flow (L/hr)	1254	1356	1447	1535	1619	1699	1774
Diameter at 1.5 ft ht (ft)	78	82	85	88	91	94	96	Diameter at 0.46 m ht (m)	23.8	25.0	25.9	26.8	27.7	28.7	29.3
#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	9.19	Flow (L/hr)	1476	1594	1701	1806	1903	1999	2087
Diameter at 1.5 ft ht (ft)	80	84	87	90	93	96	98	Diameter at 0.46 m ht (m)	24.4	25.6	26.5	27.4	28.3	29.3	29.9
#14 Nozzle - Blue (7/32")								#14 Nozzle - Blue (5.56 mm)							
Flow (gpm)	7.49	8.09	8.63	9.17	9.66	10.1	10.6	Flow (L/hr)	1701	1837	1960	2083	2194	2294	2408
Diameter at 1.5 ft ht (ft)	82	86	89	93	96	99	101	Diameter at 0.46 m ht (m)	25.0	26.2	27.1	28.3	29.3	30.2	30.8

Sprinkler performance may vary with actual field conditions. Stream heights range from 3.5 to 5.0 ft (1.1 to 1.5 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m).

Series 40

IMPACTS

4023-1 SPRINKLER BASE PRESSURE-US

	psi						
	30	35	40	45	50	55	60
#10 Nozzle - Turquoise (5/32")							
Flow (gpm)	3.82	4.13	4.41	4.68	4.93	5.17	5.40
Diameter at 1.5 ft ht (ft)	86	89	91	93	95	96	97
Diameter at 6.0 ft ht (ft)	92	94	96	97	98	99	100
#11 Nozzle - Yellow (11/64")							
Flow (gpm)	4.63	5.00	5.34	5.67	5.98	6.27	6.55
Diameter at 1.5 ft ht (ft)	89	92	94	96	98	99	100
Diameter at 6.0 ft ht (ft)	94	96	98	100	102	103	104
#12 Nozzle - Red (3/16")							
Flow (gpm)	5.52	5.97	6.37	6.76	7.13	7.48	7.81
Diameter at 1.5 ft ht (ft)	92	95	97	99	101	102	103
Diameter at 6.0 ft ht (ft)	97	99	101	103	105	107	108
#13 Nozzle - White (13/64")							
Flow (gpm)	6.50	7.02	7.49	7.95	8.38	8.80	9.19
Diameter at 1.5 ft ht (ft)	94	97	99	101	103	104	105
Diameter at 6.0 ft ht (ft)	100	103	106	109	112	115	117
#14 Nozzle - Blue (7/32")							
Flow (gpm)	7.49	8.09	8.63	9.17	9.66	10.1	10.6
Diameter at 1.5 ft ht (ft)	96	99	101	103	105	106	107
Diameter at 6.0 ft ht (ft)	102	106	110	114	118	122	125

SPRINKLER BASE PRESSURE-METRIC

	bar							
	2.07	2.41	2.76	3.10	3.45	3.79	4.14	
#10 Nozzle - Turquoise (3.97 mm)								
Flow (L/hr)	868	938	1002	1063	1120	1174	1226	
Diameter at 0.46 m ht (m)	26.2	27.1	27.7	28.3	29.0	29.3	29.6	
Diameter at 1.83 m ht (m)	28.0	28.7	29.3	29.6	29.9	30.2	30.5	
#11 Nozzle - Yellow (4.37 mm)								
Flow (L/hr)	1052	1136	1213	1288	1358	1424	1488	
Diameter at 0.46 m ht (m)	27.1	28.0	28.7	29.3	29.9	30.2	30.5	
Diameter at 1.83 m ht (m)	28.7	29.3	29.9	30.5	31.1	31.4	31.7	
#12 Nozzle - Red (4.76 mm)								
Flow (L/hr)	1254	1356	1447	1535	1619	1699	1774	
Diameter at 0.46 m ht (m)	28.0	29.0	29.6	30.2	30.8	31.1	31.4	
Diameter at 1.83 m ht (m)	29.6	30.2	30.8	31.4	32.0	32.6	32.9	
#13 Nozzle - White (5.16 mm)								
Flow (L/hr)	1476	1594	1701	1806	1903	1999	2087	
Diameter at 0.46 m ht (m)	28.7	29.6	30.2	30.8	31.4	31.7	32.0	
Diameter at 1.83 m ht (m)	30.5	31.4	32.3	33.2	34.1	35.1	35.7	
#14 Nozzle - Blue (5.56 mm)								
Flow (L/hr)	1701	1837	1960	2083	2194	2294	2408	
Diameter at 0.46 m ht (m)	29.3	30.2	30.8	31.4	32.0	32.3	32.6	
Diameter at 1.83 m ht (m)	31.1	32.3	33.5	34.7	36.0	37.2	38.1	

4023-2 SPRINKLER BASE PRESSURE-US

	psi						
	30	35	40	45	50	55	60
10x6 #10 Range Nozzle x #6 Spreader Nozzle							
Flow (gpm)	5.25	5.67	6.07	6.43	6.78	7.11	7.43
Diameter at 1.5 ft ht (ft)	86	89	91	93	95	96	97
Diameter at 6.0 ft ht (ft)	92	94	96	97	98	99	100
11x6 #11 Range Nozzle x #6 Spreader Nozzle							
Flow (gpm)	6.10	6.59	7.05	7.47	7.88	8.26	8.63
Diameter at 1.5 ft ht (ft)	89	92	94	96	98	99	100
Diameter at 6.0 ft ht (ft)	94	96	98	100	102	103	104
12x6 #12 Range Nozzle x #6 Spreader Nozzle							
Flow (gpm)	6.89	7.54	8.07	8.55	9.02	9.46	9.88
Diameter at 1.5 ft ht (ft)	92	95	97	99	101	102	103
Diameter at 6.0 ft ht (ft)	97	99	101	103	105	107	108
13x6 #13 Range Nozzle x #6 Spreader Nozzle							
Flow (gpm)	7.93	8.57	9.16	9.72	10.2	10.7	11.2
Diameter at 1.5 ft ht (ft)	94	97	99	101	103	104	105
Diameter at 6.0 ft ht (ft)	100	103	106	109	112	115	117
14x6 #14 Range Nozzle x #6 Spreader Nozzle							
Flow (gpm)	8.90	9.62	10.3	10.9	11.5	12.1	12.6
Diameter at 1.5 ft ht (ft)	96	99	101	103	105	106	107
Diameter at 6.0 ft ht (ft)	102	106	110	114	118	122	125

SPRINKLER BASE PRESSURE-METRIC

	bar							
	2.07	2.41	2.76	3.10	3.45	3.79	4.14	
10x6 #10 Range Nozzle x #6 Spreader Nozzle								
Flow (L/hr)	1192	1288	1379	1460	1540	1615	1688	
Diameter at 0.46 m ht (m)	26.2	27.1	27.7	28.3	29.0	29.3	29.6	
Diameter at 1.83 m ht (m)	28.0	28.7	29.3	29.6	29.9	30.2	30.5	
11x6 #11 Range Nozzle x #6 Spreader Nozzle								
Flow (L/hr)	1385	1497	1601	1697	1790	1876	1960	
Diameter at 0.46 m ht (m)	27.1	28.0	28.7	29.3	29.9	30.2	30.5	
Diameter at 1.83 m ht (m)	28.7	29.3	29.9	30.5	31.1	31.4	31.7	
12x6 #12 Range Nozzle x #6 Spreader Nozzle								
Flow (L/hr)	1565	1713	1833	1942	2049	2149	2244	
Diameter at 0.46 m ht (m)	28.0	29.0	29.6	30.2	30.8	31.1	31.4	
Diameter at 1.83 m ht (m)	29.6	30.2	30.8	31.4	32.0	32.6	32.9	
13x6 #13 Range Nozzle x #6 Spreader Nozzle								
Flow (L/hr)	1801	1946	2080	2208	2317	2430	2544	
Diameter at 0.46 m ht (m)	28.7	29.6	30.2	30.8	31.4	31.7	32.0	
Diameter at 1.83 m ht (m)	30.5	31.4	32.3	33.2	34.1	35.1	35.7	
14x6 #14 Range Nozzle x #6 Spreader Nozzle								
Flow (L/hr)	2021	2185	2339	2476	2612	2748	2862	
Diameter at 0.46 m ht (m)	29.3	30.2	30.8	31.4	32.0	32.3	32.6	
Diameter at 1.83 m ht (m)	31.1	32.3	33.5	34.7	36.0	37.2	38.1	

Sprinkler performance may vary with actual field conditions. Stream heights range from 6.5 to 10.0 ft (2.0 to 3.1 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m)