



Senninger Irrigation Inc
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Nozzle Number	Nozzle Color	Orifice Diameter
4 (only avail. in 360)	Light Blue	1/16
5	Beige	5/64
6	Gold	3/32
7	Lime	7/64
8	Lavender	1/8
9	Grey	9/64
10	Turquoise	5/32
11	Yellow	11/64
12	Red	3/16
13	White	13/64
14	Blue	7/32
15	Dark Brown	15/64
16	Orange	1/4
17	Dark Green	17/64
18	Purple	9/32
19	Black	19/64
20	Dark Turquoise	5/16
21	Mustard	21/64
22	Maroon	11/32
23	Cream	23/64
24	Dark Blue	3/8
25	Copper	25/64
26	Bronze	13/32
28	Black	7/16
30	Black	15/32
32	Black	1/2
34	Black	17/32
36	Black	9/16
38	Black	19/32
40	Black	5/8

AGRICULTURAL IRRIGATION

70 SERIES

Flows: 8.66 to 31.6 gpm (1967 to 7177 L/hr)
 Pressures: 40 to 70 psi (2.76 to 4.83 bar)



OVERVIEW	MODELS	SPECS	DOCUMENTS	VIDEOS	PHOTOS	COMPONENTS
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[Copy Link \(https://www.senninger.com/irrigation-product/70-series#node_product_full_group_specifications_tab_item\)](https://www.senninger.com/irrigation-product/70-series#node_product_full_group_specifications_tab_item)

7025RD-1 IMPACT SPRINKLER (/NODE/65136)

7025RD-1 SPRINKLER DESIGN CRITERIA	psi			
	40	50	60	70
#14 Nozzle (7/32")				
Flow (gpm)	8.66	9.69	10.6	11.5
Diameter at 1.5 ft ht (ft)	111	115	119	123
Diameter at 6.0 ft ht (ft)	118	124	128	130
#16 Nozzle (1/4")				
Flow (gpm)	11.4	12.8	14.0	15.1
Diameter at 1.5 ft ht (ft)	117	123	129	133
Diameter at 6.0 ft ht (ft)	126	131	136	138
#18 Nozzle (9/32")				
Flow (gpm)	14.2	15.9	17.4	18.8
Diameter at 1.5 ft ht (ft)	124	129	139	144
Diameter at 6.0 ft ht (ft)	132	137	144	147
#20 Nozzle (5/16")				
Flow (gpm)	17.1	19.2	21.0	22.7
Diameter at 1.5 ft ht (ft)	130	137	146	153
Diameter at 6.0 ft ht (ft)	137	143	151	155
#22 Nozzle (11/32")				
Flow (gpm)	20.5	22.9	25.1	27.1
Diameter at 1.5 ft ht (ft)	133	148	157	162
Diameter at 6.0 ft ht (ft)	141	150	159	164
#24 Nozzle (3/8")				
Flow (gpm)	23.9	26.7	29.3	31.6
Diameter at 1.5 ft ht (ft)	138	151	160	169
Diameter at 6.0 ft ht (ft)	145	155	164	170

Sprinkler performance may vary with actual field conditions. Diameters shown are 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 8.5 to 15.5 ft above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft.

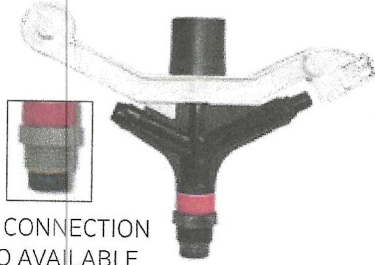
70 Series



The 70 Series full-circle impacts distribute water at higher flows over a large diameter.

FEATURES

- Double nozzle and spread drive models available
- Outlasts and costs less than brass sprinklers
- Built-in hex wrench for easy in-the-field maintenance
- Connections: 1" NPT male, 1" BSPT male also available
- Flow rates: 8.66 to 39.1 gpm (1967 to 8881 L/hr)
- Operating pressures: 40 to 70 psi (2.76 to 4.83 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



BSPT CONNECTION ALSO AVAILABLE

IMPACTS

7025RD-1 SPRINKLER BASE PRESSURE-US	psi				SPRINKLER BASE PRESSURE-METRIC	bar			
	40	50	60	70		2.76	3.45	4.14	4.83
#14 Nozzle (7/32")					#14 Nozzle (5.56 mm)				
Flow (gpm)	8.66	9.69	10.6	11.5	Flow (L/hr)	1967	2201	2408	2612
Diameter at 1.5 ft ht (ft)	111	115	119	123	Diameter at 0.46 m ht (m)	33.8	35.1	36.3	37.5
Diameter at 6.0 ft ht (ft)	118	124	128	130	Diameter at 1.83 m ht (m)	36.0	37.8	39.0	39.6
#16 Nozzle (1/4")					#16 Nozzle (6.35 mm)				
Flow (gpm)	11.4	12.8	14.0	15.1	Flow (L/hr)	2589	2907	3180	3430
Diameter at 1.5 ft ht (ft)	117	123	129	133	Diameter at 0.46 m ht (m)	35.7	37.5	39.3	40.5
Diameter at 6.0 ft ht (ft)	126	131	136	138	Diameter at 1.83 m ht (m)	38.4	39.9	41.5	42.1
#18 Nozzle (9/32")					#18 Nozzle (7.14 mm)				
Flow (gpm)	14.2	15.9	17.4	18.8	Flow (L/hr)	3225	3611	3952	4270
Diameter at 1.5 ft ht (ft)	124	129	139	144	Diameter at 0.46 m ht (m)	37.8	39.3	42.4	43.9
Diameter at 6.0 ft ht (ft)	132	137	144	147	Diameter at 1.83 m ht (m)	40.2	41.8	43.9	44.8
#20 Nozzle (5/16")					#20 Nozzle (7.94 mm)				
Flow (gpm)	17.1	19.2	21.0	22.7	Flow (L/hr)	3884	4361	4770	5156
Diameter at 1.5 ft ht (ft)	130	137	146	153	Diameter at 0.46 m ht (m)	39.6	41.8	44.5	46.6
Diameter at 6.0 ft ht (ft)	137	143	151	155	Diameter at 1.83 m ht (m)	41.8	43.6	46.0	47.2
#22 Nozzle (11/32")					#22 Nozzle (8.73 mm)				
Flow (gpm)	20.5	22.9	25.1	27.1	Flow (L/hr)	4656	5201	5701	6155
Diameter at 1.5 ft ht (ft)	133	148	157	162	Diameter at 0.46 m ht (m)	40.5	45.1	47.9	49.4
Diameter at 6.0 ft ht (ft)	141	150	159	164	Diameter at 1.83 m ht (m)	43.0	45.7	48.5	50.0
#24 Nozzle (3/8")					#24 Nozzle (9.53 mm)				
Flow (gpm)	23.9	26.7	29.3	31.6	Flow (L/hr)	5428	6064	6655	7177
Diameter at 1.5 ft ht (ft)	138	151	160	169	Diameter at 0.46 m ht (m)	42.1	46.0	48.8	51.5
Diameter at 6.0 ft ht (ft)	145	155	164	170	Diameter at 1.83 m ht (m)	44.2	47.2	50.0	51.8

Sprinkler performance may vary with actual field conditions. Diameters shown are 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 8.5 to 15.5 ft (2.6 to 4.7 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m).

Series 70

7025RD-2 SPRINKLER BASE PRESSURE-US

	psi				SPRINKLER BASE PRESSURE-METRIC	bar			
	40	50	60	70		2.76	3.45	4.14	4.83
14x8 #14 Range Nozzle x #8 Spreader Nozzle					14x8 #14 Range Nozzle x #8 Spreader Nozzle				
Flow (gpm)	11.4	12.7	13.9	15.1	Flow (L/hr)	2589	2884	3157	3430
Diameter at 1.5 ft ht (ft)	111	115	119	123	Diameter at 0.46 m ht (m)	33.8	35.1	36.3	37.5
Diameter at 6.0 ft ht (ft)	118	124	128	130	Diameter at 1.83 m ht (m)	36.0	37.8	39.0	39.6
16x8 #16 Range Nozzle x #8 Spreader Nozzle					16x8 #16 Range Nozzle x #8 Spreader Nozzle				
Flow (gpm)	14.3	16.0	17.5	18.9	Flow (L/hr)	3248	3634	3975	4293
Diameter at 1.5 ft ht (ft)	117	123	129	133	Diameter at 0.46 m ht (m)	35.7	37.5	39.3	40.5
Diameter at 6.0 ft ht (ft)	126	131	136	138	Diameter at 1.83 m ht (m)	38.4	39.9	41.5	42.1
18x8 #18 Range Nozzle x #8 Spreader Nozzle					18x8 #18 Range Nozzle x #8 Spreader Nozzle				
Flow (gpm)	17.0	19.0	20.8	22.5	Flow (L/hr)	3861	4315	4724	5110
Diameter at 1.5 ft ht (ft)	124	129	139	144	Diameter at 0.46 m ht (m)	37.8	39.3	42.4	43.9
Diameter at 6.0 ft ht (ft)	132	137	144	147	Diameter at 1.83 m ht (m)	40.2	41.8	43.9	44.8
18x10 #18 Range Nozzle x #10 Spreader Nozzle					18x10 #18 Range Nozzle x #10 Spreader Nozzle				
Flow (gpm)	18.2	20.3	22.3	24.0	Flow (L/hr)	4134	4611	5065	5451
Diameter at 1.5 ft ht (ft)	124	129	139	144	Diameter at 0.46 m ht (m)	37.8	39.3	42.4	43.9
Diameter at 6.0 ft ht (ft)	132	137	144	147	Diameter at 1.83 m ht (m)	40.2	41.8	43.9	44.8
20x10 #20 Range Nozzle x #10 Spreader Nozzle					20x10 #20 Range Nozzle x #10 Spreader Nozzle				
Flow (gpm)	20.9	23.4	25.7	27.7	Flow (L/hr)	4747	5315	5837	6291
Diameter at 1.5 ft ht (ft)	130	137	146	153	Diameter at 0.46 m ht (m)	39.6	41.8	44.5	46.6
Diameter at 6.0 ft ht (ft)	137	143	151	155	Diameter at 1.83 m ht (m)	41.8	43.6	46.0	47.2
20x12 #20 Range Nozzle x #12 Spreader Nozzle					20x12 #20 Range Nozzle x #12 Spreader Nozzle				
Flow (gpm)	22.8	25.5	27.9	30.2	Flow (L/hr)	5178	5792	6337	6859
Diameter at 1.5 ft ht (ft)	130	137	146	153	Diameter at 0.46 m ht (m)	39.6	41.8	44.5	46.6
Diameter at 6.0 ft ht (ft)	137	143	151	155	Diameter at 1.83 m ht (m)	41.8	43.6	46.0	47.2
22x10 #22 Range Nozzle x #10 Spreader Nozzle					22x10 #22 Range Nozzle x #10 Spreader-Nozzle				
Flow (gpm)	24.5	27.4	30.0	32.4	Flow (L/hr)	5565	6223	6814	7359
Diameter at 1.5 ft ht (ft)	133	148	157	162	Diameter at 0.46 m ht (m)	40.5	45.1	47.9	49.4
Diameter at 6.0 ft ht (ft)	141	150	159	164	Diameter at 1.83 m ht (m)	43.0	45.7	48.5	50.0
22x12 #22 Range Nozzle x #12 Spreader Nozzle					22x12 #22 Range Nozzle x #12 Spreader Nozzle				
Flow (gpm)	26.3	29.4	33.6	34.8	Flow (L/hr)	5973	6677	7631	7904
Diameter at 1.5 ft ht (ft)	133	148	157	162	Diameter at 0.46 m ht (m)	40.5	45.1	47.9	49.4
Diameter at 6.0 ft ht (ft)	141	150	159	164	Diameter at 1.83 m ht (m)	43.0	45.7	48.5	50.0
24x12 #24 Range Nozzle x #12 Spreader Nozzle					24x12 #24 Range Nozzle x #12 Spreader Nozzle				
Flow (gpm)	29.5	33.0	36.2	39.1	Flow (L/hr)	6700	7495	8222	8881
Diameter at 1.5 ft ht (ft)	138	151	160	169	Diameter at 0.46 m ht (m)	42.1	46.0	48.8	51.5
Diameter at 6.0 ft ht (ft)	145	155	164	170	Diameter at 1.83 m ht (m)	44.2	47.2	50.0	51.8

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IMPACTS