

80 Series



The 80 Series are Senninger's largest impact. The sprinklers are designed for maximum efficiency at high flow rates.

BSPT CONNECTION
ALSO AVAILABLE

IMPACTS

8025HR-1 SPRINKLER BASE PRESSURE-US	psi				SPRINKLER BASE PRESSURE-METRIC	bar			
	40	50	60	70		2.76	3.45	4.14	4.83
#24 Nozzle (3/8")					#24 Nozzle (9.53 mm)				
Flow (gpm)	25.2	28.2	30.9	34.5	Flow (L/hr)	5724	6405	7018	7563
Diameter at 1.5 ft ht (ft)	134	144	154	160	Diameter at 0.46 m ht (m)	40.8	43.9	46.9	48.5
Diameter at 6.0 ft ht (ft)	152	159	164	170	Diameter at 1.83 m ht (m)	46.3	48.5	50.0	51.2
#26 Nozzle (13/32")					#26 Nozzle (10.32 mm)				
Flow (gpm)	29.3	32.7	35.9	38.7	Flow (L/hr)	6655	7427	8154	8790
Diameter at 1.5 ft ht (ft)	142	152	161	166	Diameter at 0.46 m ht (m)	43.3	46.3	49.1	50.6
Diameter at 6.0 ft ht (ft)	157	164	169	173	Diameter at 1.83 m ht (m)	47.9	50.0	51.5	52.7
#28 Nozzle (7/16")					#28 Nozzle (11.11 mm)				
Flow (gpm)	33.9	38.0	41.6	44.9	Flow (L/hr)	7700	8631	9448	10198
Diameter at 1.5 ft ht (ft)	148	157	166	171	Diameter at 0.46 m ht (m)	45.1	47.9	50.6	52.1
Diameter at 6.0 ft ht (ft)	161	168	173	177	Diameter at 1.83 m ht (m)	49.1	51.2	52.7	53.9
#30 Nozzle (15/32")					#30 Nozzle (11.91 mm)				
Flow (gpm)	38.6	43.1	47.2	51.0	Flow (L/hr)	8767	9789	10720	11583
Diameter at 1.5 ft ht (ft)	153	162	170	175	Diameter at 0.46 m ht (m)	46.6	49.4	51.8	53.3
Diameter at 6.0 ft ht (ft)	165	172	177	181	Diameter at 1.83 m ht (m)	50.3	52.4	53.9	55.2
#32 Nozzle (1/2")					#32 Nozzle (12.7 mm)				
Flow (gpm)	43.9	49.0	53.7	58.0	Flow (L/hr)	9971	11129	12197	13173
Diameter at 1.5 ft ht (ft)	156	165	173	179	Diameter at 0.46 m ht (m)	47.5	50.3	52.7	54.6
Diameter at 6.0 ft ht (ft)	169	176	181	185	Diameter at 1.83 m ht (m)	51.5	53.6	55.2	56.4
#34 Nozzle (17/32")					#34 Nozzle (13.49 mm)				
Flow (gpm)	49.5	55.4	60.7	65.5	Flow (L/hr)	11243	12583	13786	14877
Diameter at 1.5 ft ht (ft)	159	168	176	183	Diameter at 0.46 m ht (m)	48.5	51.2	53.6	55.8
Diameter at 6.0 ft ht (ft)	172	179	184	188	Diameter at 1.83 m ht (m)	52.4	54.6	56.1	57.3
#36 Nozzle (9/16")					#36 Nozzle (14.29 mm)				
Flow (gpm)	55.5	62.1	68.0	73.5	Flow (L/hr)	12605	14104	15444	16694
Diameter at 1.5 ft ht (ft)	161	170	178	187	Diameter at 0.46 m ht (m)	49.1	51.8	54.3	57.0
Diameter at 6.0 ft ht (ft)	175	182	187	191	Diameter at 1.83 m ht (m)	53.3	55.5	57.0	58.2
#38 Nozzle (19/32")					#38 Nozzle (15.08 mm)				
Flow (gpm)	59.9	66.9	73.3	79.2	Flow (L/hr)	13605	15195	16648	17988
Diameter at 1.5 ft ht (ft)	163	172	180	190	Diameter at 0.46 m ht (m)	49.7	52.4	54.9	57.9
Diameter at 6.0 ft ht (ft)	178	185	190	194	Diameter at 1.83 m ht (m)	54.3	56.4	57.9	59.1
#40 Nozzle (5/8")					#40 Nozzle (15.88 mm)				
Flow (gpm)	67.1	75.0	82.1	88.7	Flow (L/hr)	15240	17034	18647	20146
Diameter at 1.5 ft ht (ft)	165	174	182	192	Diameter at 0.46 m ht (m)	50.3	53.0	55.5	58.5
Diameter at 6.0 ft ht (ft)	180	187	192	196	Diameter at 1.83 m ht (m)	54.9	57.0	58.5	59.7

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 12.5 to 28.0 ft (3.8 to 8.5 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft (0.46 m).

Series 80

FEATURES

- Single and double nozzle designs available
- Double nozzle available in range or spreader drive
- Outlasts and costs less than brass sprinklers
- Connections: 1 ¼" NPT male, 1 ½" NPT male, 1 ¼" BSPT male also available
- Flow rates: 25.2 to 103.2 gpm (5724 to 23439 L/hr)
- Operating pressures: 40 to 70 psi (2.76 to 4.83 bar)
- Built-in hex wrench for easy in-the-field maintenance
- Two-year warranty on materials, workmanship and performance
- Nozzles warranted to maintain correct orifice size for five years



8025-SD: The Booster Tube provides a 5 to 10% increased radius of throw over range nozzle performance. Consult factory for specific performance data. Available only on 8025 Spreader Drive double nozzle models.

IMPACTS

8025HR-2 SPRINKLER BASE PRESSURE-US	psi				SPRINKLER BASE PRESSURE-METRIC	bar			
	40	50	60	70		2.76	3.45	4.14	4.83
26X14 #26 Range Nozzle x #14 Spreader Nozzle					26x14 #26 Range Nozzle x #14 Spreader Nozzle				
Flow (gpm)	39.4	44.0	48.2	52.1	Flow (L/hr)	8949	9993	10947	11833
Diameter at 1.5 ft ht (ft)	142	152	161	166	Diameter at 0.46 m ht (m)	43.3	46.3	49.1	50.6
Diameter at 6.0 ft ht (ft)	157	164	169	173	Diameter at 1.83 m ht (m)	47.9	50.0	51.5	52.7
28x14 #28 Range Nozzle x #14 Spreader Nozzle					28x14 #128 Range Nozzle x #14 Spreader Nozzle				
Flow (gpm)	42.0	46.9	51.4	55.6	Flow (L/hr)	9539	10652	11674	12628
Diameter at 1.5 ft ht (ft)	148	157	166	171	Diameter at 0.46 m ht (m)	45.1	47.9	50.6	52.1
Diameter at 6.0 ft ht (ft)	161	168	173	177	Diameter at 1.83 m ht (m)	49.1	51.2	52.7	53.9
30x14 #30 Range Nozzle x #14 Spreader Nozzle					30x14 #30 Range Nozzle x #14 Spreader Nozzle				
Flow (gpm)	45.9	51.4	56.3	60.8	Flow (L/hr)	10425	11674	12787	13809
Diameter at 1.5 ft ht (ft)	153	162	170	175	Diameter at 0.46 m ht (m)	46.6	49.4	51.8	53.3
Diameter at 6.0 ft ht (ft)	165	172	177	181	Diameter at 1.83 m ht (m)	50.3	52.4	53.9	55.2
32x16 #32 Range Nozzle x #16 Spreader Nozzle					32x16 #32 Range Nozzle x #16 Spreader Nozzle				
Flow (gpm)	53.7	60.0	65.8	71.0	Flow (L/hr)	12197	13627	14945	16126
Diameter at 1.5 ft ht (ft)	156	165	173	179	Diameter at 0.46 m ht (m)	47.5	50.3	52.7	54.6
Diameter at 6.0 ft ht (ft)	169	176	181	185	Diameter at 1.83 m ht (m)	51.5	53.6	55.2	56.4
34x16 #34 Range Nozzle x #16 Spreader Nozzle					34x16 #34 Range Nozzle x #16 Spreader Nozzle				
Flow (gpm)	59.2	66.2	72.5	78.3	Flow (L/hr)	13446	15036	16467	17784
Diameter at 1.5 ft ht (ft)	159	168	176	183	Diameter at 0.46 m ht (m)	48.5	51.2	53.6	55.8
Diameter at 6.0 ft ht (ft)	172	179	184	188	Diameter at 1.83 m ht (m)	52.4	54.6	56.1	57.3
36x16 #36 Range Nozzle x #16 Spreader Nozzle					36x16 #36 Range Nozzle x #16 Spreader Nozzle				
Flow (gpm)	65.1	72.7	79.7	86.1	Flow (L/hr)	14786	16512	18102	19555
Diameter at 1.5 ft ht (ft)	161	170	178	187	Diameter at 0.46 m ht (m)	49.1	51.8	54.3	57.0
Diameter at 6.0 ft ht (ft)	175	182	187	191	Diameter at 1.83 m ht (m)	53.3	55.5	57.0	58.2
38x18 #38 Range Nozzle x #18 Spreader Nozzle					38x18 #38 Range Nozzle x #18 Spreader Nozzle				
Flow (gpm)	71.7	80.1	87.8	94.9	Flow (L/hr)	16285	18193	19942	21554
Diameter at 1.5 ft ht (ft)	163	172	180	190	Diameter at 0.46 m ht (m)	49.7	52.4	54.9	57.9
Diameter at 6.0 ft ht (ft)	178	185	190	194	Diameter at 1.83 m ht (m)	54.3	56.4	57.9	59.1
40x18 #40 Range Nozzle #18 Spreader Nozzle					40x18 #40 Range Nozzle x #18 Spreader Nozzle				
Flow (gpm)	78.0	87.2	95.6	103.2	Flow (L/hr)	17716	19805	21713	23439
Diameter at 1.5 ft ht (ft)	165	174	182	192	Diameter at 0.46 m ht (m)	50.3	53.0	55.5	58.5
Diameter at 6.0 ft ht (ft)	180	187	192	196	Diameter at 1.83 m ht (m)	54.9	57.0	58.5	59.7

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