

20series [Impacts]



The 20 series full-circle impacts are Senninger's most economical sprinklers. Effective for various overhead and undertree applications.

FEATURES:

- Single nozzle design for maximum throw
- Three trajectories available:
2009 - 9° fights wind drift and evaporation
2014 - 14° ideal for undertree irrigation
2023 - 23° for maximum throw on overhead systems
- Wide range of nozzle and vane combinations for excellent distribution at all pressures
- Built-in hex wrench for easy in-the-field maintenance
- Standard lower bearing pipe thread:
1/2" M NPT (female also available)
- Flow rates: 1.34 to 3.98 gpm [304 to 904 L/hr]
- Two-year warranty on materials, workmanship and performance
- Color-coded nozzles for easy size identification; warranted to maintain correct orifice size for five years

2009HD

Sprinkler Base Pressure [psi]	30	35	40	45	50	[bar]	2.07	2.41	2.76	3.10	3.45
	#6 Nozzle - Gold [3/32"]							#6 Nozzle - Gold [2.38mm]			
Flow [gpm]	1.34	1.45	1.55	1.64	-	Flow [L/hr]	304	329	352	372	-
Diam. at 1.5' ht. [ft.]	58	60	62	64	-	Diam. at 0.46m ht. [m]	17.7	18.3	18.9	19.5	-
#7 Nozzle - Lime [7/64"]						#7 Nozzle - Lime [2.78mm]					
Flow [gpm]	1.84	1.99	2.12	2.25	2.37	Flow [L/hr]	418	452	481	511	538
Diam. at 1.5' ht. [ft.]	60	62	64	66	67	Diam. at 0.46m ht. [m]	18.3	18.9	19.5	20.1	20.4
#8 Nozzle - Lavender [1/8"]						#8 Nozzle - Lavender [3.18mm]					
Flow [gpm]	2.42	2.62	2.79	2.97	3.12	Flow [L/hr]	550	595	634	675	709
Diam. at 1.5' ht. ft. [ft.]	62	64	66	68	69	Diam. at 0.46m ht. [m]	18.9	19.5	20.1	20.7	21.0
#9 Nozzle - Grey [9/64"]						#9 Nozzle - Grey [3.57mm]					
Flow [gpm]	3.08	3.33	3.56	3.78	3.98	Flow [L/hr]	700	756	809	859	904
Diam. at 1.5' ht. [ft.]	64	66	68	70	71	Diam. at 0.46m ht. [m]	19.5	20.1	20.7	21.4	21.7

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 1.5-3.0 ft. (0.46-0.91 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].

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Mounting Options:

- Vandal-resistant coupling and special wrench
- 3/4" slip with base swivel
- Quick-connect base and connector



2014HS

Sprinkler Base Pressure [psi]	30	35	40	45	50	[bar]	2.07	2.41	2.76	3.10	3.45
#6 Nozzle - Gold [3/32"]						#6 Nozzle - Gold [2.38mm]					
Flow [gpm]	1.34	1.45	1.55	1.64	-	Flow [L/hr]	304	329	352	372	-
Diam. at 1.5' ht. [ft.]	66	68	70	72	-	Diam. at 0.46m ht. [m]	20.1	20.7	21.4	22.0	-
#7 Nozzle - Lime [7/64"]						#7 Nozzle - Lime [2.78mm]					
Flow [gpm]	1.84	1.99	2.12	2.25	2.37	Flow [L/hr]	418	452	481	511	538
Diam. at 1.5' ht. [ft.]	68	70	72	74	75	Diam. at 0.46m ht. [m]	20.7	21.4	22.0	22.6	22.9
#8 Nozzle - Lavender [1/8"]						#8 Nozzle - Lavender [3.18mm]					
Flow [gpm]	2.42	2.62	2.79	2.97	3.12	Flow [L/hr]	550	595	634	675	709
Diam. at 1.5' ht. [ft.]	70	72	74	76	77	Diam. at 0.46m ht. [m]	21.4	22.0	22.6	23.2	23.5
#9 Nozzle - Grey [9/64"]						#9 Nozzle - Grey [3.57mm]					
Flow [gpm]	3.08	3.33	3.56	3.78	3.98	Flow [L/hr]	700	756	809	859	904
Diam. at 1.5' ht. [ft.]	71	73	75	77	78	Diam. at 0.46m ht. [m]	21.7	22.3	22.9	23.5	23.8

Sprinkler performance may vary with actual field conditions. Stream heights range from 3.0-5.0 ft. [0.91-1.5 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].

2023HS

Sprinkler Base Pressure [psi]	30	35	40	45	50	[bar]	2.07	2.41	2.76	3.10	3.45
#6 Nozzle - Gold [3/32"]						#6 Nozzle - Gold [2.38mm]					
Flow [gpm]	1.34	1.45	1.55	1.64	-	Flow [L/hr]	304	329	352	372	-
Diam. at 1.5' ht. [ft.]	74	75	76	77	-	Diam. at 0.46m ht. [m]	22.6	22.9	23.2	23.5	-
#7 Nozzle - Lime [7/64"]						#7 Nozzle - Lime [2.78mm]					
Flow [gpm]	1.84	1.99	2.12	2.25	2.37	Flow [L/hr]	418	452	481	511	538
Diam. at 1.5' ht. [ft.]	76	77	78	79	80	Diam. at 0.46m ht. [m]	23.2	23.5	23.8	24.1	24.4
#8 Nozzle - Lavender [1/8"]						#8 Nozzle - Lavender [3.18mm]					
Flow [gpm]	2.42	2.62	2.79	2.97	3.12	Flow [L/hr]	550	595	634	675	709
Diam. at 1.5' ht. [ft.]	78	79	80	81	82	Diam. at 0.46m ht. [m]	23.8	24.1	24.4	24.7	25.0
#9 Nozzle - Grey [9/64"]						#9 Nozzle - Grey [3.57mm]					
Flow [gpm]	3.08	3.33	3.56	3.78	3.98	Flow [L/hr]	700	756	809	859	904
Diam. at 1.5' ht. [ft.]	79	80	81	82	83	Diam. at 0.46m ht. [m]	24.1	24.4	24.7	25.0	25.3

Sprinkler performance may vary with actual field conditions. Stream heights range from 6.5-9.5 ft. (2.0-3.0 m) above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].