



The 20 Series full-circle impacts are Senninger’s most economical sprinklers. The 20 Series includes several models available for various overhead and under-tree installations.

FEATURES

- ▶ Various trajectories available: 9°, 14° and 23°
- ▶ Hand Tight Nozzle requires no tools for an easy change/easy clean nozzle vane combination



20 SERIES IMPACT SPRINKLERS DESIGN CRITERIA

	2009HS (20 Series - 9°)	2014HS (20 Series - 14°)	2023HS (20 Series - 23°)	2023 (20 Series- 23° Compact Impact)
Nozzle sizes				
Minimum	#6 3/32" (2.38 mm)	#6 3/32" (2.38 mm)	#6 3/32" (2.38 mm)	#9 9/64" (3.57 mm)
Maximum	#9 9/64" (3.57 mm)	#9 9/64" (3.57 mm)	#9 9/64" (3.57 mm)	#12 3/16" (4.76 mm)
Flows				
Minimum	1.34 gpm (304 L/hr)	1.34 gpm (304 L/hr)	1.34 gpm (304 L/hr)	3.08 gpm (700 L/hr)
Maximum	3.98 gpm (904 L/hr)	3.98 gpm (904 L/hr)	3.98 gpm (904 L/hr)	7.13 gpm (1619 L/hr)
Pressure at the nozzle				
Minimum	30 psi (2.07 bar)	30 psi (2.07 bar)	30 psi (2.07 bar)	30 psi (2.07 bar)
Maximum	50 psi (3.45 bar)	50 psi (3.45 bar)	50 psi (3.45 bar)	50 psi (3.45 bar)
Diameters at 1.5 ft (0.46 m)				
Minimum	58 ft (17.7 m)	66 ft (20.1m)	74 ft (22.6 m)	78 ft (23.8 m)
Maximum	71 ft (21.7 m)	78 ft (23.8 m)	83 ft (25.3 m)	96 ft (29 m)
Pattern Spacing				
	Up to 40 ft (12.2 m)	Up to 40 ft (12.2 m)	Up to 40 ft (12.2 m)	Up to 40 ft (12.2 m)
Connections				
	1/2" M NPT	1/2" M NPT	1/2" M NPT	3/4" M NPT

*Stream heights for the 2009HS model range from 1.5 to 3.0 ft (0.46 to 0.91 m) above the nozzle based on pressure and nozzle size.
Stream heights for the 2014HS model range from 3.0 to 5.0 ft (0.91 to 1.5 m) above the nozzle based on pressure and nozzle size.
Stream heights for the 2023HS model range from 6.5 to 9.5 ft (2.0 to 3.0 m) above the nozzle based on pressure and nozzle size.
Minimum recommended riser height is 1.5 ft (0.46 m).*