

EAGLE™ 550 Series



Specifications

Radius: 33'-49' (10,3-14,9 m)

Flow Rate: 6.0 to 13.6 gpm (0,38 to 0,86 l/s) (1,41 to 3,09 m³/h)

Arc: Adjustable 30° to 345°

Models: Part-circle:

EAGLE 550E: Fast rotation, electric

EAGLE 550H: Fast rotation, hydraulic (N.O.)*

EAGLE 550B: Fast rotation, SEAL-A-MATIC™ device

EAGLE 550BRC: Fast rotation, SEAL-A-MATIC device, rubber cover

Maximum Inlet Pressure:

Models 550E: 150 psi (10,3 bars)

Models 550H, 550B: 100 psi (6,9 bars)

Pressure Regulation Range: 60 to 100 psi (4,1 to 6,9 bars)

Factory Pressure Settings: 500E/550E available in 60, 70 and 80 psi (4,1; 4,8 and 5,5 bars)

Body Height:

Models 550E, 550H: 12.0" (30,5 cm)

Models 550B: 9.6" (24,5 cm)

Models 550BRC: 10" (25,4 cm)

Pop-Up Height:

Models 550E, 550H, 550B: 3.25" (8,3 cm)

Models 550BRC: 2.88" (7,3 cm)

Top Diameter:

Models 550E, 550H: 6.25" (15,9 cm)

Models 550B: 4.25" (10,8 cm)

Models 550BRC: 4.75" (12,1 cm)

Nozzle Trajectory: 25°

Inlet Threads:

Models 550E, 550H: 1.25" (3,2 cm) (33/42) NPT, BSP or ACME, Female Threaded

Models 550B, 550BRC: 1" (2,5 cm) (26/34) NPT, BSP or ACME, Female Threaded

Holdback:

Models 550B: 10' (3,1 m) of elevation

Rotation Time: 180° in ≤ 60 seconds; 45 seconds nominally

Maximum Stream Height: 13' (4,0 m)

Solenoid: 24 VAC Solenoid power requirement—

0.41 amp inrush current (9.8 VA)

60 cycle—0.25 amp holding current (6.0 VA)

50 cycle—0.32 amp holding current (7.7 VA)

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:

On models 550E, H

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.

Rain Bird recommends the use of SPACE for Windows, equivalent program or derived performance data to optimize nozzle selection.

** N.O.—Normally open*

Performance Data – U.S.

NOZZLES

Base Pressure (psi)	#52 BEIGE		#53 GRAY		#54 RED	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
40	33	6.0	41	7.7	45	9.3
50	35	6.6	41	8.6	47	10.3
60	35	7.2	43	9.4	49	11.2
70	35	7.7	43	10.1	49	12.0
80	37	8.3	43	10.8	49	12.8
90	39	8.8	43	11.5	49	12.9
100	39	9.1	45	12.0	49	13.6

Data reflect no pressure regulation.

Performance Data – Metric

NOZZLES

Base Pressure (bars)	#52 BEIGE		#53 GRAY			#54 RED			
	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)
2,8	10,1	0,38	1,36	12,5	0,49	1,75	13,7	0,59	2,11
3,0	10,3	0,39	1,41	12,5	0,51	1,82	13,9	0,61	2,19
3,5	10,7	0,42	1,51	12,5	0,55	1,97	14,4	0,65	2,36
4,0	10,7	0,45	1,61	12,9	0,58	2,10	14,8	0,70	2,50
4,5	10,7	0,47	1,70	13,1	0,62	2,22	14,9	0,73	2,64
5,0	10,8	0,50	1,78	13,1	0,65	2,33	14,9	0,77	2,77
5,5	11,3	0,52	1,88	13,1	0,68	2,45	14,9	0,81	2,91
6,0	11,7	0,55	1,96	13,1	0,71	2,56	14,9	0,81	2,92
6,5	11,9	0,56	2,03	13,4	0,74	2,66	14,9	0,83	3,00
6,9	11,9	0,57	2,07	13,7	0,76	2,73	14,9	0,86	3,09

Data reflect no pressure regulation.

How to Specify/Order:

550 - X(XX) - XX - XX - XXX(X)

