



EAGLE™ 700 Series



Specifications

Radius: 55'-80' (16,8-24,4 m)

Flow Rate: 16.8 to 44.1 gpm (1,06 to 2,78 l/s) (3,82 to 10,02 m³/h)

Arc: Full-circle, 360°

Models: Full-circle:

EAGLE 700E: Electric

EAGLE 700H: Hydraulic (N.O.)*

EAGLE 700S: Stopamatic (SAM)

EAGLE 700B: SEAL-A-MATIC™ device

EAGLE 700BRC: SEAL-A-MATIC device, rubber cover top

Maximum Inlet Pressure:

Models 700E: 150 psi (10,3 bars)

Models 700S, 700H, 700B: 100 psi (6,9 bars)

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

Factory Pressure Settings: 700E available in 60, 70 and 80 psi (4,1; 4,8 and 5,5 bars)

Body Height:

Models 700E, 700H, 700S: 12.0" (30,5 cm)

Models 700B: 9.6" (24,5 cm)

Models 700BRC: 10" (25,4 cm)

Pop-Up Height to Nozzle:

Models 700E, 700S, 700H, 700B: 3.25" (8,3 cm)

Models 700BRC: 2.88" (7,3 cm)

Top Diameter:

Models 700E, 700H, 700S: 6.25" (15,9 cm)

Models 700B: 4.25" (10,8 cm)

Models 700BRC: 4.75" (12,1 cm)

Nozzle Trajectory: 25°

Nozzle Design: Dual Spreader™ nozzles

Inlet Threads:

Models 700E, 700H, 700S: 1.25" (3,2 cm) (33/42) NPT, BSP or ACME, Female Threaded

Models 700B, 700BRC: 1" (2,5 cm) (26/34) NPT, BSP or ACME, Female Threaded

Holdback:

700B: 10' (3,1 m) of elevation

700S: 15' (4,6 m) of elevation

Rotation Time: 360° in ≤ 180 seconds; 150 seconds nominally

Maximum Stream Height: 17' (5,2 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 700E, H, S

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.

DUAL SPREADER™ NOZZLES

Base Pressure (psi)	#28 WHITE			#32 BLUE		#36 YELLOW		#40 ORANGE		#44 GREEN		#48 BLACK	
	Radius (ft)	Flow (gpm)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
50	55	16.8	58	19.6	60	22.7	64	25.1	—	—	—	—	—
60	56	18.7	62	21.9	62	24.9	66	27.3	68	29.6	—	—	—
70	56	19.5	63	22.6	64	26.4	66	28.6	68	31.6	70	36.0	—
80	59	20.9	64	24.9	66	28.3	68	30.8	68	33.9	72	38.7	—
90	60	23.2	64	27.2	66	31.0	68	33.9	74	36.8	78	41.6	—
100	60	24.5	66	28.5	68	32.7	70	35.8	76	38.8	80	44.1	—

Data reflect no pressure regulation.

Performance Data – Metric

DUAL SPREADER™ NOZZLES

Base Pressure (bars)	#28 WHITE			#32 BLUE			#36 YELLOW			#40 ORANGE			#44 GREEN			#48 BLACK		
	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)
3,5	16,8	1,06	3,82	17,7	1,24	4,45	18,3	1,43	5,16	19,5	1,58	5,70	—	—	—	—	—	—
4,0	17,0	1,16	4,16	18,7	1,35	4,87	18,8	1,54	5,56	20,0	1,69	6,10	20,5	1,84	6,61	—	—	—
4,5	17,1	1,21	4,34	19,1	1,40	5,06	19,2	1,62	5,83	20,1	1,77	6,36	20,7	1,93	6,96	20,8	2,20	7,91
5,0	17,3	1,25	4,51	19,3	1,46	5,26	19,7	1,70	6,10	20,3	1,84	6,62	20,7	2,03	7,31	21,5	2,31	8,33
5,5	18,0	1,32	4,74	19,5	1,57	5,64	20,1	1,78	6,42	20,7	1,94	6,98	20,7	2,14	7,69	21,9	2,44	8,78
6,0	18,2	1,42	5,11	19,5	1,67	6,02	20,1	1,91	6,86	20,7	2,08	7,49	22,0	2,27	8,16	23,2	2,57	9,25
6,5	18,3	1,50	5,40	19,8	1,75	6,30	20,4	2,00	7,21	21,0	2,19	7,88	22,8	2,38	8,55	24,0	2,69	9,69
6,9	18,3	1,55	5,56	20,1	1,80	6,47	20,7	2,06	7,43	21,3	2,26	8,13	23,2	2,45	8,81	24,4	2,78	10,02

Data reflect no pressure regulation.

How to Specify/Order:

