EAGLE™ 700 Series

How to Specify/Order:

700 - X - XX

Model	Body/ Valve	Nozzle
700	E	28
	H	32
	S	36
	B	40
		44
		48

Specifications

Radius: 16,8-24,4 m

Flow Rate: 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

Maximum Inlet Pressure:
Models 700E: 10,3 bars
Models 700S, 700H, 700B: 6,9 bars

Pressure Regulation Range: 4,1 to 6,9 bars

Factory Pressure Settings: 4,9 bars

Body Height:
Models 700E, 700H, 700S: 30,5 cm
Models 700B: 24,5 cm

Pop-Up Height to Nozzle:
Models 700E, 700S, 700H, 700B: 8,3 cm

Top Diameter:
Models 700E, 700H, 700S: 15,9 cm
Models 700B: 10,8 cm

Nozzle Trajectory: 25°

Standard nozzle: # 40 orange

Nozzle Design: High Performance, Dual Spreader™ design

Inlet Threads:
Models 700E, 700H, 700S: 1,25" (33/42) BSP Female threaded
Models 700B: 1" (26/34) BSP Female threaded

Holdback:
700B: 3,1 m of elevation
700S: 4,6 m of elevation

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

Maximum Stream Height: 5,2 m

Solenoid: 24 VAC 50 cycle solenoid power requirement - 0,41 amp inrush current (9.9 VA), 0,30 amp holding current (7.2 VA)

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:
On models 700E, H, S

All data are 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*

EAGLE™ 700 Performance Data - Metric

Dual Speader™ Nozzles

	#28 WHITE			#32 BLUE			#36 YELLOW			#40 ORANGE			#44 GREEN			#48 BLACK		
Base Pressure bars	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.