

Rain Bird® 702 Series Full Circle Golf Rotors

Specifications

Radius:

- 59' - 77' (18.0 m - 23.5 m)

Flow Rate:

- 16.9 to 42.9 gpm (1.06 to 2.70 l/s);
(3.83 to 9.73 m³/h)

Arc:

- Full-circle 360°

Models:

- E: Electric
- IC: Integrated Control
- B: Block with Seal-A-Matic™ device

Maximum Inlet Pressure:

- Models E and IC: 150 psi (10.3 bars)
- Model B: 100 psi (6.9 bars)

Pressure Regulation Range:

- 60 to 100 psi (4.1 to 6.9 bars)

Factory Pressure Settings:

- Models E and IC available in 70 and 80 psi
(4.8 and 5.5 bars)

Dimensions:

- Body Height:
 - Models E, IC: 12.0" (30.5 cm)
 - Model B: 9.6" (24.5 cm)
- Pop-Up Height to Mid-Nozzle: 2.6" (6.6 cm)
- Top Diameter:
 - Models E, IC: 6.25" (15.9 cm)
 - Model B: 4.25" (10.8 cm)

Nozzle Trajectory:

- Standard: 25°
- Wind Tolerant: 12°

Inlet Threads:

- Models E, IC: 1.25" (32mm) ACME female thread
- Model B: 1" (25mm) ACME female thread

Holdback:

- Block: 17' (5.2m) elevation

Rotation Time:

- 360° in ≤ 180 seconds; 160 seconds
nominally

Maximum Stream Height:

- Standard: 17' (5.2m)
- Wind Tolerant: 10' (3.1m)

Solenoid:

- 24 VAC solenoid power requirement: 0.41 amp
inrush current (9.8 VA); 60 Hz: 0.25 amp holding
current (6.0 VA); 50 Hz: 0.32 amp holding
current (7.7 VA)

Surge Resistance:

- 25kV standard on electric models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:

- Models E, IC

Special Features:

- Self-Adjusting Stator
- Optional Sod Cup Kit (E & IC Only)



How To Specify

A	702	XX	XX	XX
Thread Type ACME	Model 702	Body/ Valve	Pressure Regulator	Nozzle 28, 32, 36, 40, 44, 48
		E IC B	70 (4.8) 80 (5.5)	

Descriptive text for understanding only!

Model number would look like A702IC8036 when a customer orders the IC version with a #36 nozzle at a case pressure of 80 PSI



U.S. Performance Data

Dual Spreader™ Nozzles												
Base Pressure (psi)	50		60		70		80		90		100	
	Radius (ft)	Flow (gpm)										
#28 - White	59	16.9	60	18.8	62	20.3	62	21.5	63	22.7	65	24.2
#32 - Blue	62	20.6	63	22.1	65	23.3	67	25.0	69	27.3	69	28.7
#36 - Yellow	66	21.0	66	24.0	68	26.4	70	28.3	70	28.8	71	31.2
#40 - Orange	64	23.9	68	26.3	71	28.7	72	30.6	73	32.1	74	33.5
#44 - Green	--	--	69	29.0	73	31.8	75	33.9	75	35.6	75	37.2
#48 - Black	--	--	--	--	72	35.4	74	37.5	75	40.9	77	42.9

Metric Performance Data

Dual Spreader™ Nozzles																		
Base Pressure (bar)	3.4			4.1			4.8			5.5			6.2			6.9		
	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)
#28 - White	18.0	3.83	1.06	18.3	4.26	1.18	18.9	4.61	1.28	18.9	4.88	1.36	19.2	5.14	1.43	19.8	5.50	1.53
#32 - Blue	18.9	4.67	1.30	19.2	5.01	1.39	19.8	5.29	1.47	20.4	5.67	1.57	21.0	6.20	1.72	21.0	6.51	1.81
#36 - Yellow	20.1	4.76	1.32	20.1	5.44	1.51	20.7	6.00	1.67	21.3	6.42	1.78	21.3	6.54	1.83	21.6	7.09	1.97
#40 - Orange	19.5	5.43	1.51	20.7	5.97	1.66	21.6	6.52	1.81	22.0	6.95	1.93	22.3	7.29	2.03	22.6	7.60	2.11
#44 - Green	—	—	—	21.0	6.59	1.83	22.3	7.23	2.01	22.9	7.71	2.14	22.9	8.09	2.25	22.9	8.44	2.34
#48 - Black	—	—	—	—	—	—	22.0	8.04	2.23	22.6	8.51	2.36	22.9	9.29	2.58	23.5	9.73	2.70

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