

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)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	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 (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)
#28 - White	18.0	1.06	3.83	18.3	1.18	4.26	18.9	1.28	4.61	18.9	1.36	4.88	19.2	1.43	5.14	19.8	1.53	5.50
#32 - Blue	18.9	1.30	4.67	19.2	1.39	5.01	19.8	1.47	5.29	20.4	1.57	5.67	21.0	1.72	6.20	21.0	1.81	6.51
#36 - Yellow	20.1	1.32	4.76	20.1	1.51	5.44	20.7	1.67	6.00	21.3	1.78	6.42	21.3	1.82	6.54	21.6	1.97	7.09
#40 - Orange	19.5	1.51	5.43	20.7	1.66	5.97	21.6	1.81	6.52	22.0	1.93	6.95	22.3	2.03	7.29	22.6	2.11	7.60
#44 - Green	--	--	--	21.0	1.83	6.59	22.3	2.01	7.23	22.9	2.14	7.71	22.9	2.25	8.09	22.9	2.34	8.44
#48 - Black	--	--	--	--	--	--	22.0	2.23	8.04	22.6	2.36	8.51	22.9	2.58	9.29	23.5	2.70	9.73

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