

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 E IC B	Pressure Regulator 70 (4.8) 80 (5.5)	Nozzle 28, 32, 36, 40, 44, 48

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



Rain Bird® 752 Series

Full / Part Circle Golf Rotors

Specifications

Radius:

- 19' - 84' (5.8 m - 25.6 m)

Flow Rate:

- 6.7 to 47 gpm (0.42 to 2.97 l/s);
(1.51 to 10.68 m³/h)

Arc:

- Full-circle 360°, Adjustable 30° to 345°

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:

- Models E, IC: 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)

RAPID-ADJUST TECHNOLOGY

Make easy arc adjustments with the turn of a screw. MemoryArc® feature retains two part-circle arc settings, so you can shift between full- and part-circle operation in seconds.



Step 1: Set primary rotor arc.



Step 2: Turn the Full/Part Adjustment Screw for full-circle operation.



Step 3: Turn the rotor to either Arc A or Arc B setting, then set to part-circle. No need to reset the arc when changing between full- and part-circle settings.



Nozzle Trajectory:

- Standard: 25°
 - #18 Nozzle: 15°
- Wind Tolerant: 12°
- Low Angle: 15°

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:

- 180° in ≤ 90 seconds; 80 seconds nominally

Maximum Stream Height:

- Standard: 17' (5.2m)
- Wind Tolerant: 10' (3.1m)
- Low Angle: 12' (3.7m)

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:

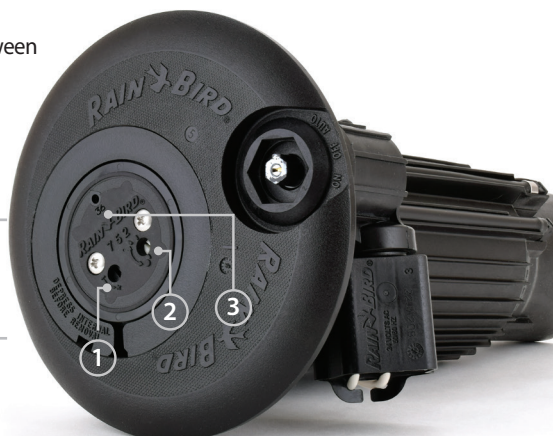
- 25kV standard on electric models

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	752	XX	XX	XX
Thread Type ACME	Model 752	Body/ Valve E IC B	Pressure Regulator 70 (4.8) 80 (5.5)	Nozzle* 18, 20, 22, 24, 26, 28, 32, 36, 40, 44, 48, 50

Descriptive text for understanding only!

Model number would look like A752IC8036 when a customer orders the IC version with a #36 nozzle at a case pressure of 80 PSI

* Nozzles up to 26 require a low-flow valve, and 28+ require a high-flow valve

U.S. Performance Data

Dual Spreader™ Nozzles with Standard Nozzle Housing

	Base Pressure (psi)	50			60			70			80			90			100		
		Radius (ft)	LA (ft)	Flow (gpm)	Radius (ft)	LA (ft)	Flow (gpm)	Radius (ft)	LA (ft)	Flow (gpm)	Radius (ft)	LA (ft)	Flow (gpm)	Radius (ft)	LA (ft)	Flow (gpm)	Radius (ft)	LA (ft)	Flow (gpm)
Low Flow Valve Required	#18 - Beige	27	19	6.7	29	19	7.1	30	20	7.7	31	21	8.1	32	23	8.5	34	23	8.8
	#20 - Gray	36	31	7.2	37	33	7.7	37	34	8.4	38	35	9.1	39	36	9.5	40	37	10.0
	#22 - Red	41	38	8.8	43	40	9.7	44	41	10.2	44	42	10.8	44	42	11.5	44	43	12.0
	#24 - Plum	46	42	8.3	47	43	8.9	47	44	9.6	48	44	10.2	48	45	10.8	48	46	11.4
	#26 - Lt. Green	50	46	9.5	50	45	10.1	51	47	10.9	51	49	11.6	52	49	12.3	53	50	12.8
High Flow Valve Required	#28 - White	54	51	14.9	56	54	16.4	58	56	17.6	58	57	18.8	57	58	20.2	59	57	21.4
	#32 - Blue	62	54	17.1	62	56	19.0	63	59	20.3	63	61	21.8	67	61	22.9	67	61	24.0
	#36 - Yellow	64	59	19.5	65	62	21.3	66	64	23.2	68	65	24.7	68	66	26.2	69	68	27.2
	#40 - Orange	63	63	22.3	65	64	24.0	67	66	26.3	68	67	27.9	69	68	29.7	69	68	31.1
	#44 - Green	--	--	--	67	66	26.9	69	68	28.6	71	70	30.6	71	71	32.5	73	71	34.0
	#48 - Black	--	--	--	--	--	--	76	70	31.5	76	72	34.0	76	74	35.8	75	75	38.5
	#50 - Dk. Brown	--	--	--	--	--	--	79	68	39.4	81	70	41.9	82	73	44.7	84	75	47.0

* Nozzles up to 26 require a low-flow valve, and 28+ require a high-flow valve

Metric Performance Data

Dual Spreader™ Nozzles with Standard Nozzle Housing

	Base Pressure (bar)	3.4				4.1				4.8				5.5				6.2				6.9			
		Radius (m)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	LA (m)	Flow (l/s)	Flow (m³/h)
Low Flow Valve Required	#18 - Beige	8.2	5.8	0.42	1.51	8.8	5.8	0.45	1.62	9.1	6.1	0.49	1.75	9.5	6.4	0.51	1.84	9.8	7.0	0.54	1.93	10.4	7.0	0.55	1.99
	#20 - Gray	11.0	9.5	0.45	1.63	11.3	10.1	0.49	1.75	11.3	10.4	0.53	1.92	11.6	10.7	0.57	2.06	11.9	11.0	0.60	2.15	12.2	11.3	0.63	2.27
	#22 - Red	12.5	11.6	0.56	2.00	13.1	12.2	0.61	2.19	13.4	12.5	0.64	2.32	13.4	12.8	0.68	2.45	13.4	12.8	0.72	2.60	13.4	13.1	0.76	2.73
	#24 - Plum	14.0	12.8	0.53	1.89	14.3	13.1	0.56	2.02	14.3	13.4	0.61	2.18	14.6	13.4	0.64	2.31	14.6	13.7	0.68	2.45	14.6	14.0	0.72	2.59
	#26 - Lt. Green	15.2	14.0	0.60	2.16	15.2	13.7	0.64	2.30	15.5	14.3	0.69	2.48	15.5	14.9	0.73	2.64	15.9	14.9	0.78	2.80	16.2	15.2	0.80	2.90
High Flow Valve Required	#28 - White	16.5	15.5	0.94	3.38	17.1	16.5	1.03	3.71	17.7	17.1	1.11	3.99	17.7	17.4	1.19	4.27	17.4	17.7	1.27	4.58	18.0	17.4	1.35	4.86
	#32 - Blue	18.9	16.5	1.08	3.88	18.9	17.1	1.20	4.32	19.2	18.0	1.28	4.62	19.2	18.6	1.37	4.94	20.4	18.6	1.44	5.20	20.4	18.6	1.51	5.44
	#36 - Yellow	19.5	18.0	1.23	4.44	19.8	18.9	1.35	4.84	20.1	19.5	1.46	5.27	20.7	19.8	1.56	5.61	20.7	20.1	1.65	5.96	21.0	20.7	1.72	6.18
	#40 - Orange	19.2	19.2	1.40	5.06	19.8	19.5	1.51	5.44	20.4	20.1	1.66	5.98	20.7	20.4	1.76	6.34	21.0	20.7	1.87	6.75	21.0	20.7	1.96	7.06
	#44 - Green	--	--	--	--	20.4	20.1	1.70	6.12	21.0	20.7	1.80	6.49	21.6	21.3	1.93	6.95	21.6	21.6	2.05	7.38	22.3	21.6	2.15	7.73
	#48 - Black	--	--	--	--	--	--	--	--	23.2	21.3	1.99	7.15	23.2	22.0	2.14	7.71	23.2	22.6	2.26	8.13	22.9	22.9	2.43	8.74
	#50 - Dk. Brown	--	--	--	--	--	--	--	--	24.1	20.7	2.48	8.94	24.7	21.3	2.64	9.52	25.0	22.3	2.82	10.16	25.6	22.9	2.97	10.68

* Nozzles up to 26 require a low-flow valve, and 28+ require a high-flow valve



Hong Kong | Singapore | Malaysia | Australia

Email: info@centaur-asiapacific.com

Website: www.centaur-asiapacific.com

