

## Rain Bird® 752 Series

### Full / Part Circle Golf Rotors

#### Specifications

##### Radius:

- 30' - 84' (9.1 m - 25.6 m)

##### Flow Rate:

- 6.8 to 47 gpm (0.43 to 2.97 l/s); (1.54 to 10.68 m<sup>3</sup>/h)

##### 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).
- For low-flow valve operation refer to chart in appendix of catalog
- 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.



##### Arc:

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

##### Nozzle Trajectory:

- **Standard:** 25°
- **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:

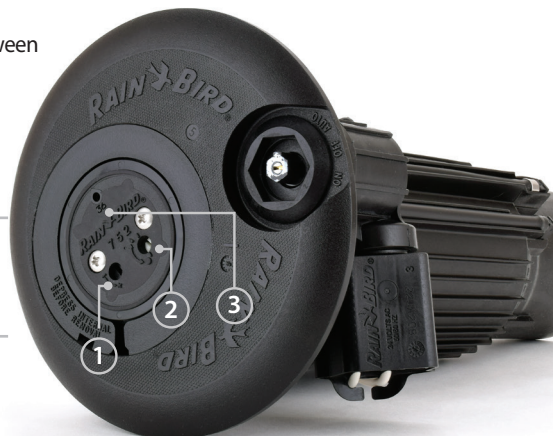
- 25kV standard on electric models

##### 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	Model	Body/ Valve	Pressure Regulator	Nozzle*
ACME	752	E	70 (4.8)	18, 20, 22, 24,
		IC	80 (5.5)	26, 28, 32, 36,
		B		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 and Low Angle (LA) Nozzle Housings

	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)
Requires Low Flow Valve	#18 - Beige	--	--	--	--	--	--	30	--	6.8	31	--	7.2	32	--	7.5	34	--	7.8
	#20 - Gray	--	--	--	--	--	--	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
Requires Standard Valve	#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	76	38.5
#50 - Dk. Brown	--	--	--	--	--	--	79	68	39.4	81	70	41.9	82	73	44.7	84	75	47.0	

## Metric Performance Data

### Dual Spreader™ Nozzles with Standard and Low Angle (LA) Nozzle Housings

	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)
Requires Low Flow Valve	#18 - Beige	--	--	--	--	--	--	--	--	9.1	--	0.43	1.54	9.5	--	0.45	1.63	9.8	--	0.47	1.70	10.4	--	0.49	1.77
	#20 - Gray	--	--	--	--	--	--	--	--	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
Requires Standard Valve	#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	1.47	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	

**Rain Bird Corporation**  
6991 E. Southpoint Road  
Tucson, AZ 85756  
Phone: (520) 741-6100  
Fax: (520) 741-6522

**Rain Bird Corporation**  
970 West Sierra Madre Avenue  
Azusa, CA 91702  
Phone: (626) 812-3400  
Fax: (626) 812-3411

**Rain Bird International, Inc.**  
1000 West Sierra Madre Ave.  
Azusa, CA 91702  
Phone: (626) 963-9311  
Fax: (626) 852-7343

**Rain Bird Technical Services**  
(800) RAINBIRD (1-800-724-6247)  
(U.S. and Canada)

**Specification Hotline**  
800-458-3005 (U.S. and Canada)

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[www.rainbird.com](http://www.rainbird.com)