

Rain Bird® 752 Series

Full / Part Circle Golf Rotors

Specifications

Radius:

- 20' - 84' (6.1 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: 15' (4.6m) 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



How To Specify

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



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)
#18 - Beige	27	20	6.7	29	20	7.1	30	20	7.7	31	21	8.1	32	23	8.5	34	23	8.8
#20 - Gray	36	34	7.2	37	36	7.7	37	37	8.4	38	38	9.1	39	39	9.5	40	40	10.0
#22 - Red	41	41	8.8	43	42	9.7	44	43	10.2	44	44	10.8	44	44	11.5	44	45	12.0
#24 - Plum	46	48	8.3	47	49	8.9	47	51	9.6	48	53	10.2	48	54	10.8	48	55	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
#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	23.3	68	65	24.7	68	66	26.2	69	68	27.2
#44 - Green	--	--	--	67	66	26.9	69	68	28.6	71	70	30.6	71	72	32.5	73	73	34.0
#48 - Black	--	--	--	--	--	--	76	70	31.5	76	72	34.0	76	74	35.8	75	76	38.5
#50 - Dk. Brown	--	--	--	--	--	--	79	69	39.4	81	70	41.9	82	73	44.7	84	75	47.0

Wind Tolerant 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)
#16 WTN - Gray	--	--	60	15.7	63	17.0	64	18.3	64	19.5	66	20.6
#18 WTN - Red	--	--	63	18.8	64	20.3	64	21.9	64	23.2	67	24.3
#22 WTN - Black	--	--	--	--	64	20.3	67	21.9	69	23.2	70	24.3

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 (ft)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (ft)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (ft)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (ft)	LA (m)	Flow (l/s)	Flow (m³/h)	Radius (ft)	LA (m)	Flow (l/s)	Flow (m³/h)
#18 - Beige	8.2	6.1	0.42	1.51	8.8	6.1	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	10.4	0.45	1.63	11.3	11.0	0.49	1.75	11.3	11.3	0.53	1.92	11.6	11.6	0.57	2.06	11.9	11.9	0.60	2.15	12.2	12.2	0.63	2.27
#22 - Red	12.5	12.5	0.56	2.00	13.1	12.8	0.61	2.19	13.4	13.1	0.64	2.32	13.4	13.4	0.68	2.45	13.4	13.4	0.72	2.60	13.4	13.7	0.76	2.73
#24 - Plum	14.0	14.6	0.53	1.89	14.3	14.9	0.56	2.02	14.3	15.5	0.61	2.18	14.6	16.2	0.64	2.31	14.6	16.5	0.68	2.45	14.6	16.8	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
#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	5.28	20.7	19.8	1.56	5.61	20.7	20.1	1.65	5.96	21.0	20.7	1.72	6.18
#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	22.0	2.05	7.38	22.3	22.3	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	23.2	2.43	8.74
#50 - Dk. Brown	--	--	--	--	--	--	--	--	24.1	21.0	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

Wind Tolerant 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 (ft)	Flow (l/s)	Flow (m³/h)	Radius (ft)	Flow (l/s)	Flow (m³/h)	Radius (ft)	Flow (l/s)	Flow (m³/h)						
#16 WTN - Gray	--	--	--	18.3	0.99	3.57	19.2	1.07	3.86	19.5	1.15	4.16	19.5	1.23	4.43	20.1	1.30	4.68
#18 WTN - Red	--	--	--	19.2	1.19	4.27	19.5	1.28	4.61	19.5	1.38	4.97	19.5	1.46	5.27	20.4	1.53	5.52
#22 WTN - Black	--	--	--	--	--	--	19.5	1.28	4.61	20.4	1.38	4.97	21.0	1.46	5.27	21.3	1.53	5.52

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