Tech Spec

Rain Bird® 552 Block

Full / Part Circle Golf Rotors

Specifications

Radius:
- 33′ to 55′ (10.1 m to 16.8 m)

Flow Rate:
- 6.80 to 14.00 gpm (0.43 to 0.88 l/s); (1.54 to 3.18 m^3/h)

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

Model:
- **B:** Block with Seal-A-Matic™ device

Maximum Inlet Pressure:
- 100 psi (6.9 bars)

Dimensions:
- **Body Height:** 9.6″ (24.5 cm)
- **Pop-Up Height to Mid-Nozzle:** 2.6″ (6.6 cm)
- **Top Diameter:** 4.25″ (10.8 cm)

Nozzle Trajectory:
- **51 Nozzle:** 12°
- **52, 53, 54 Nozzles:** 25°

Inlet Threads:
- 1″ (25mm) ACME female thread

Holdback:
- 17′ (5.2m) elevation

Rotation Time:
- 180° in ≤ 90 seconds; 80 seconds nominally

Maximum Stream Height:
- **51 Nozzle:** 5′ (1.5 m)
- **52, 53, 54 Nozzles:** 13′ (4.0 m)

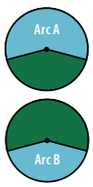
Special Features:
- Self-Adjusting Stator
- Low Flow-by Bearing Guide

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.

How To Specify

A	552	B	XX
Thread Type: ACME	Model: 552	Body/ Valve: B	Nozzle: 51, 52, 53, 54

Descriptive text for understanding only!
Model number would look like A552B51 when a customer orders the #51 nozzle version

(continued)

U.S. Performance Data

Cascade 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)
#51 - Blue	33	6.8	34	7.4	35	8.0	36	8.5	37	8.8	37	9.3
#52 - Beige	37	6.7	39	7.2	37	8.1	37	8.2	39	8.7	39	9.3
#53 - Gray	51	9.3	51	10.1	51	11.0	51	11.7	51	12.5	51	13.2
#54 - Red	--	--	--	--	53	12.0	54	12.4	55	13.3	55	14.0

Metric Performance Data

Cascade Nozzles

Base Pressure (bar)	3.4			4.1			4.8			5.5			6.2			6.9		
	Radius (m)	Flow (l/s)	Flow (m^3/h)	Radius (m)	Flow (l/s)	Flow (m^3/h)	Radius (m)	Flow (l/s)	Flow (m^3/h)	Radius (m)	Flow (l/s)	Flow (m^3/h)	Radius (m)	Flow (l/s)	Flow (m^3/h)	Radius (m)	Flow (l/s)	Flow (m^3/h)
#51 - Blue	10.1	0.43	1.54	10.4	0.47	1.68	10.7	0.50	1.82	11.0	0.54	1.93	11.3	0.56	2.00	11.3	0.59	2.11
#52 - Beige	11.3	0.42	1.52	11.9	0.46	1.64	11.3	0.51	1.83	11.3	0.52	1.87	11.9	0.55	1.99	11.9	0.59	2.11
#53 - Gray	15.5	0.59	2.12	15.5	0.64	2.29	15.5	0.69	2.49	15.5	0.73	2.65	15.5	0.79	2.83	15.5	0.83	2.99
#54 - Red	--	--	--	--	--	--	16.2	0.75	2.72	16.5	0.78	2.82	16.8	0.84	3.01	16.8	0.88	3.18