Chiricahua at Desert Mountain

Golf Rotors

Peace of Mind Today. Continuous Innovation for the Future.

Rain Bird builds innovation into every rotor with high-efficiency nozzles, industry-leading surge resistance and the largest throw range in a single rotor. Trusted by golf professionals everywhere, Rain Bird rotors deliver unrivaled performance and uniformity for excellent playability.

Unmatched GBS25 Protection

Delivering 25kV surge protection and built-in filtration for debris, the GBS25 Solenoid eliminates the most common maintenance tasks that plague competing rotors.

Top Serviceability

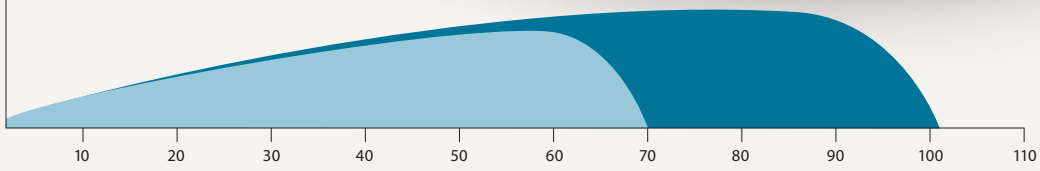
With superior performance in a smaller footprint than competing rotors and an intelligent snap-ring design for quick access to serviceable components, Rain Bird rotors have long been the perfect choice for golf courses.

Consistent Uniform Application

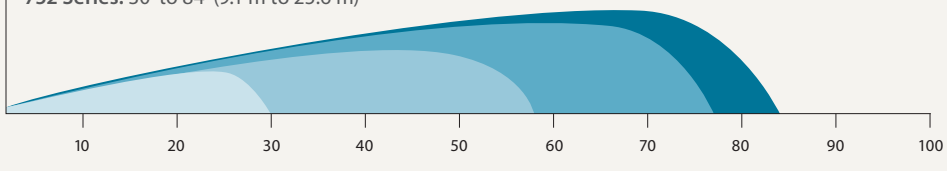
The self-adjusting stator automatically modifies flow to control rotation speed, optimizing performance and providing a consistent water application.

NEW

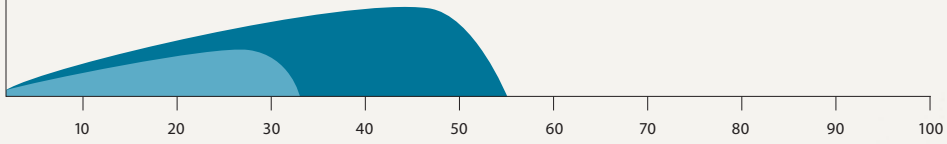
952 Series: 70' to 101' (21.3 m to 30.8 m)



702 Series: 59' to 77' (18.0 m to 23.5 m)
752 Series: 30' to 84' (9.1 m to 25.6 m)



552 Block Rotors: 33' to 55' (10.1 m to 16.8 m)



952 Series Rotors

NEW

SPECIFICATIONS

Radius: 70' to 101' (21.3 m to 31.8 m)

Flow Rate: 19.7 to 54.5 gpm (1.24 to 3.44 l/s) (4.43 to 12.38 m³/h)

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

Models:
E: Electric
IC: Integrated Control
SAM: Stopamatic

Maximum Inlet Pressure:
Models E and IC: 150 psi (10.3 bar)
Model SAM: 100 psi (6.9 bar)

Pressure Regulation Range:
Models E and IC: 60 to 100 psi (4.1 to 6.9 bar)

Factory Pressure Settings: Models E and IC available in 70 and 80 psi (4.8 and 5.5 bar)

Dimensions:
Body Height: 13.4" (34.0 cm)
Pop-Up Height to Mid-Nozzle: 2.6" (6.6 cm)
Top Diameter: 7.0" (17.8 cm)

Nozzle Trajectory:
Standard: 25°; **Low Angle:** 17°

Inlet Threads: 1.5" (38.0 mm) ACME female threaded

Holdback:
SAM: 17' (5.2 m) elevation

Rotation Time: 180° in ≤ 100 seconds; 80 seconds nominally

Maximum Stream Height:
Standard: 22' (6.7 m)
Low Angle: 12' (3.7 m)

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 and 20kV on IC models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat: All models

Special Features:
Self-Adjusting Stator; Rear Nozzle Plug

U.S. Performance Data

FRONT NOZZLES

	Base Pressure (psi)	#44 – Blue		#46 – Tan		#48 – Yellow		#52 – Orange		#56 – Green		#60 – Black		#64 – Red	
		Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
STANDARD	60	70	19.7	74	22.9	76	27.1	79	31.5	81	35.3	83	38.8	85	42
	70	71	21.3	74	25.0	78	29.7	81	34	84	38.2	86	42.1	89	47.1
	80	73	22.8	76	26.7	79	31.6	83	36.3	87	41	88	44.9	93	48.7
	90	73	23.8	78	28.5	82	33.3	85	38.4	90	42.8	91	47.6	98	51.7
	100	74	25	78	30.2	82	35.1	88	40.6	92	45.5	94	49.1	101	54.5
LOW-ANGLE	60	70	19.7	75	23.2	77	27.7	78	31.8	82	35.9	81	39.4	—	—
	70	74	21.1	77	25.2	80	30	83	34.2	87	38.7	86	42.6	—	—
	80	76	22.9	78	26.6	82	31.5	86	36.6	89	40.9	89	45.6	—	—
	90	77	24.1	80	28.7	84	33.5	87	38.7	90	43.4	92	48.1	—	—
	100	79	25.4	80	30.2	86	35.4	89	40.8	94	46	96	51	—	—

Metric Performance Data

FRONT NOZZLES

	Base Pressure (bar)	#44 – Blue			#46 – Tan			#48 – Yellow			#52 – Orange			#56 – Green			#60 – Black			#64 – Red		
		Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)	Radius (m)	Flow (m³/h)	Flow (l/s)
STANDARD	4.1	21.3	4.5	1.24	22.5	5.2	1.45	23.2	6.2	1.71	24.1	7.2	1.99	24.7	8.0	2.23	25.3	8.8	2.45	25.9	9.5	2.65
	4.8	21.6	4.8	1.34	22.7	5.7	1.58	23.8	6.7	1.87	24.7	7.7	2.15	25.6	8.7	2.41	26.2	9.6	2.66	27.1	10.7	2.97
	5.5	22.3	5.2	1.44	23.1	6.1	1.68	24.1	7.2	1.99	25.3	8.2	2.29	26.5	9.3	2.59	26.8	10.2	2.83	28.3	11.1	3.07
	6.2	22.3	5.4	1.50	23.7	6.5	1.80	25.0	7.6	2.10	25.9	8.7	2.42	27.4	9.7	2.70	27.7	10.8	3.00	29.9	11.7	3.26
	6.9	22.6	5.7	1.58	23.7	6.9	1.91	25.0	8.0	2.21	26.8	9.2	2.56	28.0	10.3	2.87	28.7	11.2	3.10	30.8	12.4	3.44
LOW-ANGLE	4.1	21.3	4.5	1.24	22.9	5.3	1.47	23.5	6.3	1.75	23.8	7.2	2.01	25.0	8.2	2.26	24.7	8.9	2.49	—	—	—
	4.8	22.6	4.8	1.33	23.5	5.7	1.59	24.4	6.8	1.89	25.3	7.8	2.16	26.5	8.8	2.44	26.2	9.7	2.69	—	—	—
	5.5	23.2	5.2	1.44	23.9	6.0	1.68	25.0	7.2	1.99	26.2	8.3	2.31	27.1	9.3	2.58	27.1	10.4	2.88	—	—	—
	6.2	23.5	5.5	1.52	24.3	6.5	1.81	25.6	7.6	2.11	26.5	8.8	2.44	27.4	9.9	2.74	28.0	10.9	3.03	—	—	—
	6.9	24.1	5.8	1.60	24.5	6.9	1.91	26.2	8.0	2.23	27.1	9.3	2.57	28.7	10.4	2.90	29.3	11.6	3.22	—	—	—

HOW TO SPECIFY

A – 952 – X – XX – XX

THREAD TYPE	MODEL	BODY/ VALVE	PRESSURE REGULATOR	NOZZLE
ACME	952	E	70 (4.8)	44
		IC	80 (5.5)	46
		SAM		48
				52
				56
				60
				64

Turn-of-a-Screw Adjustments

The same time-saving Rapid-Adjust Technology as the 752, now available on the 952.

(See page 14 for details)

REAR-SPREADER NOZZLES – U.S. PERFORMANCE DATA

MAIN NOZZLE #44 – BLUE

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	23.9	69	35	25.4	71	35
Green	27.7	69	52	29.6	70	51
Blue	26.5	69	41	28.2	70	41
Black	28.6	68	43	28.9	71	43
Red	25.9	68	52	27.4	69	51
Blue + Diffuser	24.4	70	35	26.0	70	34
Black + Diffuser	24.2	69	35	25.9	71	33

MAIN NOZZLE #46 – TAN

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	28.4	71	33	29.2	73	33
Green	31.0	73	51	32.8	73	49
Blue	30.5	71	45	33.6	73	43
Black	30.9	71	43	32.1	73	45
Red	29.9	71	33	31.6	73	31
Blue + Diffuser	28.2	73	35	29.9	75	35
Black + Diffuser	28.2	73	35	30.0	71	35

MAIN NOZZLE #48 – YELLOW

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	32.1	75	33	34.1	77	33
Green	35.7	75	50	37.8	77	50
Blue	34.4	76	40	37.0	77	39
Black	35.1	75	41	37.5	77	41
Red	34.2	74	51	36.4	77	52
Blue + Diffuser	32.5	75	35	34.7	77	34
Black + Diffuser	33.3	76	34	34.7	78	34

MAIN NOZZLE #52 – ORANGE

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	36.5	80	33	39.0	83	32
Green	39.9	79	50	42.3	81	50
Blue	39.6	81	39	41.9	83	39
Black	39.7	79	40	43.9	80	40
Red	38.4	79	50	40.8	80	51
Blue + Diffuser	37.1	81	35	39.1	83	33
Black + Diffuser	36.9	79	33	39.5	81	33

MAIN NOZZLE #56 – GREEN

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	40.6	83	33	43.8	86	33
Green	44.0	80	50	46.8	84	50
Blue	43.7	83	39	46.1	85	39
Black	43.5	81	40	46.5	85	39
Red	42.4	82	50	45.4	84	50
Blue + Diffuser	41.3	82	34	44.2	85	33
Black + Diffuser	41.5	83	34	44.6	86	33

MAIN NOZZLE #60 – BLACK

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	44.3	85	32	47.4	87	31
Green	47.9	83	49	50.7	85	49
Blue	47.1	85	39	50.3	87	38
Black	47.4	85	39	50.6	87	39
Red	46.1	83	51	49.9	86	50
Blue + Diffuser	45.3	83	33	48.2	85	33
Black + Diffuser	45.3	84	32	48.3	87	32

MAIN NOZZLE #64 – RED

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
Pressure (psi)	70			80		
Orange	48.2	89	33	51.4	92	33
Green	51.8	85	49	53.3	89	50
Blue	50.7	88	39	54.0	92	37
Black	49.9	85	40.7	55	91	39
Red	50.0	87	50	53.1	89	51
Blue + Diffuser	48.5	86	33	52.7	90	35
Black + Diffuser	48.6	87	31	51.7	87	31

REAR-SPREADER NOZZLES – METRIC PERFORMANCE DATA

MAIN NOZZLE #44 – BLUE

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	5.4	1.51	21.1	10.6	5.8	1.60	21.7	10.8
Green	6.3	1.75	20.9	15.8	6.7	1.87	21.3	15.6
Blue	6.0	1.67	21.1	12.6	6.4	1.78	21.3	12.6
Black	6.5	1.81	20.7	13.0	6.6	1.82	21.5	13.2
Red	5.9	1.63	20.7	15.8	6.2	1.73	20.9	15.6
Blue + Diffuser	5.5	1.54	21.3	10.8	5.9	1.64	21.3	10.4
Black + Diffuser	5.5	1.52	21.1	10.6	5.9	1.64	21.7	10.2

MAIN NOZZLE #46 – TAN

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	6.3	1.79	21.6	10.1	6.6	1.84	22.3	10.1
Green	6.9	1.96	22.3	15.5	7.4	2.07	22.3	14.9
Blue	6.8	1.92	21.6	13.7	7.6	2.12	22.3	13.1
Black	6.9	1.95	21.6	13.1	7.3	2.03	22.3	13.7
Red	6.7	1.89	21.6	10.1	7.2	1.99	22.3	9.4
Blue + Diffuser	6.3	1.78	22.3	10.7	6.8	1.89	22.9	10.7
Black + Diffuser	6.3	1.78	22.3	10.7	6.8	1.89	21.6	10.7

MAIN NOZZLE #48 – YELLOW

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	7.3	2.02	23.0	10.2	7.7	2.15	23.6	10.2
Green	8.1	2.25	23.0	15.2	8.6	2.39	23.4	15.2
Blue	7.8	2.17	23.2	12.2	8.4	2.34	23.6	12.0
Black	8.0	2.22	23.0	12.4	8.5	2.37	23.6	12.4
Red	7.8	2.15	22.6	15.6	8.3	2.30	23.4	15.8
Blue + Diffuser	7.4	2.05	23.0	10.6	7.9	2.19	23.6	10.4
Black + Diffuser	7.6	2.10	23.2	10.4	7.9	2.19	23.8	10.4

MAIN NOZZLE #52 – ORANGE

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	8.3	2.30	24.4	10.0	8.9	2.46	25.4	9.8
Green	9.1	2.52	24.2	15.2	9.6	2.67	24.8	15.2
Blue	9.0	2.50	24.6	12.0	9.5	2.64	25.2	11.8
Black	9.0	2.51	24.0	12.2	10.0	2.77	24.4	12.2
Red	8.7	2.42	24.0	15.2	9.3	2.57	24.4	15.4
Blue + Diffuser	8.4	2.34	24.6	10.6	8.9	2.47	25.2	10.2
Black + Diffuser	8.4	2.33	24.0	10.0	9.0	2.49	24.8	10.0

MAIN NOZZLE #56 – GREEN

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	9.2	2.56	25.4	10.2	9.9	2.76	26.2	10.2
Green	10.0	2.77	24.4	15.2	10.6	2.95	25.6	15.2
Blue	9.9	2.75	25.4	12.0	10.5	2.91	26.0	11.8
Black	9.9	2.74	24.8	12.2	10.6	2.93	25.8	12.0
Red	9.6	2.68	25.0	15.2	10.3	2.86	25.6	15.2
Blue + Diffuser	9.4	2.60	25.0	10.4	10.0	2.79	25.8	10.2
Black + Diffuser	9.4	2.62	25.2	10.4	10.1	2.81	26.2	10.2

MAIN NOZZLE #60 – BLACK

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	10.1	2.80	25.8	9.8	10.8	2.99	26.6	9.6
Green	10.9	3.02	25.2	14.8	11.5	3.20	26.0	15.0
Blue	10.7	2.97	25.8	11.8	11.4	3.18	26.6	11.6
Black	10.8	2.99	25.8	11.8	11.5	3.19	26.4	12.0
Red	10.5	2.91	25.4	15.4	11.3	3.15	26.2	15.2
Blue + Diffuser	10.3	2.85	25.3	10.1	10.9	3.04	25.9	10.1
Black + Diffuser	10.3	2.86	25.6	9.8	11.0	3.05	26.6	9.8

MAIN NOZZLE #64 – RED

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
Pressure (bar)	4.8				5.5			
Orange	10.9	3.04	27.0	10.0	11.7	3.24	28.0	10.2
Green	11.8	3.26	26.0	15.0	12.1	3.36	27.2	15.2
Blue	11.5	3.20	26.8	11.8	12.3	3.40	28.0	11.4
Black	11.3	3.15	26.0	12.4	12.4	3.44	27.6	11.8
Red	11.4	3.15	26.4	15.2	12.1	3.35	27.0	15.4
Blue + Diffuser	11.0	3.06	26.2	10.2	12.0	3.32	27.4	10.6
Black + Diffuser	11.0	3.07	26.6	9.6	11.7	3.26	26.6	9.6

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.
Rain Bird recommends the use of SPACE for Windows,® equivalent program or derived performance data to optimize nozzle selection.

752 Series Rotors

SPECIFICATIONS

Radius: 30' to 84' (9.1 m to 25.6 m)

Flow Rate: 6.8 to 47.0 gpm (0.43 to 2.97 l/s) (1.54 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 bar). For low-flow valve operation refer to chart in appendix on page 105
- **Model B:** 100 psi (6.9 bar)

Pressure Regulation Range:
- **Models E and IC:** 60 to 100 psi (4.1 to 6.9 bar)

Factory Pressure Settings: Models E and IC available in 70 and 80 psi (4.8 and 5.5 bar)

Dimensions:
- **Body Height:**
  - **Models E, IC:** 12.0" (30.5 cm)
  - **Model B:** 9.6" (24.5 cm)
- **Pop-Up Height to Mid-Nozzle:**
  - **Models E, IC, B:** 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°
- **Low Angle:** 15°

Inlet Threads:
- **Models E, IC:** 1.25" (32 mm) ACME female threaded
- **Model B:** 1" (25 mm) ACME female threaded

Holdback:
- **Block:** 17' (5.2 m) elevation

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

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

Solenoid: 24 VAC solenoid power requirement: 0.41 amp inrush current (9.8 VA);
- **60 cycle:** 0.25 amp holding current (6.0 VA);
- **50 cycle:** 0.32 amp holding current (7.7 VA)

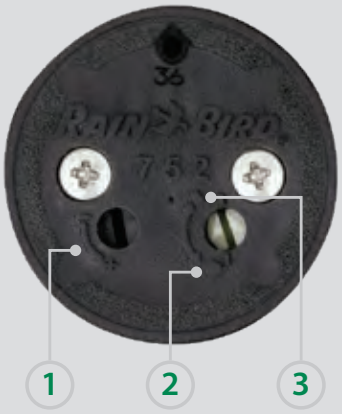
Surge Resistance: Up to 25kV standard on electric models and 20kV on IC models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat: On models E, IC

Special Features:
- **Self-Adjusting Stator**
- **Optional Sod Cup**

Meet Challenging Field Conditions

The Rain Bird® 752 Series Rotor gives the user the capability to optimize rotors to meet challenging field conditions such as elevation differences and obstacles.

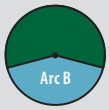


Turn-of-a-Screw Adjustments

Whether you're catering to grow-in or just trying to get more from a limited water supply, Rapid-Adjust Technology lets your staff make easy arc adjustments with the turn of a screw. MemoryArc® 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.

COMPATIBLE WITH
Rain Bird®
Sod Cup Kit
(See page 23)

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 32 20 36 22 40 24 44 26 48 28 50

U.S. Performance Data

DUAL-SPREADER™ NOZZLES WITH STANDARD AND LOW ANGLE (LA) HOUSINGS

Base Pressure (psi)	50 Radius (ft)	50 Radius LA (ft)	50 Flow (gpm)	60 Radius (ft)	60 Radius LA (ft)	60 Flow (gpm)	70 Radius (ft)	70 Radius LA (ft)	70 Flow (gpm)	80 Radius (ft)	80 Radius LA (ft)	80 Flow (gpm)	90 Radius (ft)	90 Radius LA (ft)	90 Flow (gpm)	100 Radius (ft)	100 Radius LA (ft)	100 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

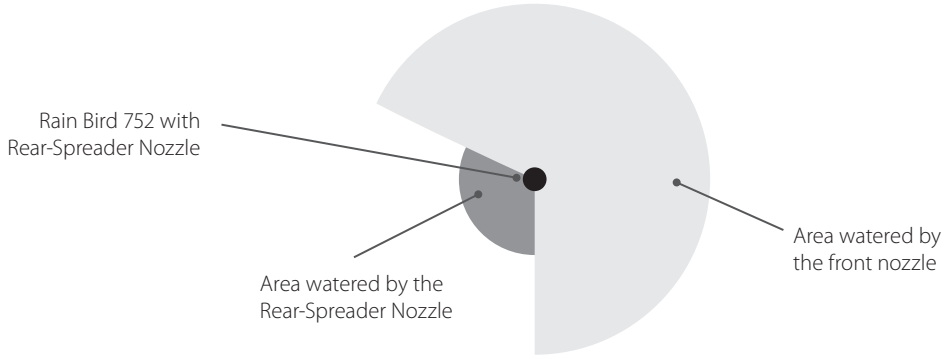
Metric Performance Data

DUAL-SPREADER™ NOZZLES WITH STANDARD AND LOW ANGLE (LA) HOUSINGS

Base Pressure (bar)	3.4 Radius (m)	3.4 Radius LA (m)	3.4 Flow (m^3/h)	3.4 Flow (l/s)	4.1 Radius (m)	4.1 Radius LA (m)	4.1 Flow (m^3/h)	4.1 Flow (l/s)	4.8 Radius (m)	4.8 Radius LA (m)	4.8 Flow (m^3/h)	4.8 Flow (l/s)	5.5 Radius (m)	5.5 Radius LA (m)	5.5 Flow (m^3/h)	5.5 Flow (l/s)	6.2 Radius (m)	6.2 Radius LA (m)	6.2 Flow (m^3/h)	6.2 Flow (l/s)	6.9 Radius (m)	6.9 Radius LA (m)	6.9 Flow (m^3/h)	6.9 Flow (l/s)
REQUIRES LOW-FLOW VALVE																								
#18 - Beige	—	—	—	—	—	—	—	—	9.1	—	1.54	0.43	9.5	—	1.63	0.45	9.8	—	1.70	0.47	10.4	—	1.77	0.49
#20 - Gray	—	—	—	—	—	—	—	—	11.3	10.4	1.92	0.53	11.6	10.7	2.06	0.57	11.9	11.0	2.15	0.60	12.2	11.3	2.27	0.63
#22 - Red	12.5	11.6	2.00	0.56	13.1	12.2	2.19	0.61	13.4	12.5	2.32	0.64	13.4	12.8	2.45	0.68	13.4	12.8	2.60	0.72	13.4	13.1	2.73	0.76
#24 - Plum	14.0	12.8	1.89	0.53	14.3	13.1	2.02	0.56	14.3	13.4	2.18	0.61	14.6	13.4	2.31	0.64	14.6	13.7	2.45	0.68	14.6	14.0	2.59	0.72
#26 - Lt. Green	15.2	14.0	2.16	0.60	15.2	13.7	2.30	0.64	15.5	14.3	2.48	0.69	15.5	14.9	2.64	0.73	15.9	14.9	2.80	0.78	16.2	15.2	2.90	0.80
REQUIRES STANDARD VALVE																								
#28 - White	16.5	15.5	3.38	0.94	17.1	16.5	3.71	1.03	17.7	17.1	3.99	1.11	17.7	17.4	4.27	1.19	17.4	17.7	4.58	1.27	18.0	17.4	4.86	1.35
#32 - Blue	18.9	16.5	3.88	1.08	18.9	17.1	4.32	1.20	19.2	18.0	4.62	1.28	19.2	18.6	4.94	1.37	20.4	18.6	5.20	1.44	20.4	18.6	5.44	1.51
#36 - Yellow	19.5	18.0	4.44	1.23	19.8	18.9	4.84	1.35	20.1	19.5	5.27	1.47	20.7	19.8	5.61	1.56	20.7	20.1	5.96	1.65	21.0	20.7	6.18	1.72
#40 - Orange	19.2	19.2	5.06	1.40	19.8	19.5	5.44	1.51	20.4	20.1	5.98	1.66	20.7	20.4	6.34	1.76	21.0	20.7	6.75	1.87	21.0	20.7	7.06	1.96
#44 - Green	—	—	—	—	20.4	20.1	6.12	1.70	21.0	20.7	6.49	1.80	21.6	21.3	6.95	1.93	21.6	21.6	7.38	2.05	22.3	21.6	7.73	2.15
#48 - Black	—	—	—	—	—	—	—	—	23.2	21.3	7.15	1.99	23.2	22.0	7.71	2.14	23.2	22.6	8.13	2.26	22.9	22.9	8.74	2.43
#50 - Dk. Brown	—	—	—	—	—	—	—	—	24.1	20.7	8.94	2.48	24.7	21.3	9.52	2.64	25.0	22.3	10.16	2.82	25.6	22.9	10.68	2.97

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.
Rain Bird recommends the use of SPACE for Windows,® equivalent program or derived performance data to optimize nozzle selection.

Typical Installation:
Watering area behind the Rain Bird® 752.



752 Series U.S. Performance Data

REAR-SPREADER NOZZLES

Spreader Nozzle Color	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)	Flow (gpm)	Nozzle Range Main (ft)	Nozzle Range Rear (ft)
MAIN NOZZLE #18 – BEIGE							**MAIN NOZZLE #20 – GRAY**						**MAIN NOZZLE #22 – RED**					
Pressure (psi)		70			80			70			80			70			80	
Orange	11.3	26	36	12.2	28	36	11.4	38	36	12.2	38	34	13.0	42	32	13.6	42	34
Green	13.9	26	52	14.6	28	52	15.3	34	50	16.3	36	52	16.4	40	52	17.5	40	52
Blue	14.2	26	48	15.2	26	48	15.6	36	48	16.6	36	44	16.7	42	46	17.9	42	46
Black	13.3	26	46	14.0	26	46	14.5	36	46	15.3	36	46	15.8	40	44	16.9	42	44
Red	12.3	26	50	12.9	26	52	13.3	36	50	14.3	36	52	14.7	40	50	15.8	40	50
Blue + Diffuser	10.8	26	34	11.3	28	34	12.2	36	34	12.8	38	34	13.5	40	32	14.3	40	34
Black + Diffuser	11.4	27	32	11.1	28	32	12.1	36	33	12.8	37	32	13.2	39	32	14.1	39	32
MAIN NOZZLE #24 – PLUM							**MAIN NOZZLE #26 – LT. GREEN**						**MAIN NOZZLE #28 – WHITE**					
Pressure (psi)		70			80			70			80			70			80	
Orange	12.2	44	32	12.9	44	32	15.0	48	32	16.0	52	34	20.3	58	34	21.8	58	34
Green	15.9	44	50	16.9	46	50	18.7	48	50	19.9	50	52	23.8	56	50	25.0	56	50
Blue	16.2	44	46	17.3	44	46	18.9	50	46	20.2	50	46	24.3	56	42	25.8	56	42
Black	15.2	44	46	16.4	44	46	17.3	48	44	18.5	48	44	23.3	58	40	24.7	58	40
Red	14.1	46	50	15.2	46	50	16.8	48	50	17.8	48	52	22.4	60	50	23.6	58	50
Blue + Diffuser	13.0	46	34	13.8	44	34	15.2	50	34	16.3	50	34	21.4	60	34	22.6	60	34
Black + Diffuser	12.7	44	32	13.6	44	32	15.5	47	31	16.5	48	31	20.8	57	32	22.4	58	31
MAIN NOZZLE #32 – BLUE							**MAIN NOZZLE #36 – YELLOW**						**MAIN NOZZLE #40 – ORANGE**					
Pressure (psi)		70			80			70			80			70			80	
Orange	22.5	64	32	24.1	64	32	25.0	66	32	26.8	66	32	28.2	68	30	30.1	68	30
Green	25.8	60	50	27.5	62	50	28.4	64	48	31.8	64	48	31.6	68	46	33.2	68	46
Blue	25.8	60	42	27.5	60	42	28.5	64	40	30.5	64	40	31.5	66	40	33.5	66	40
Black	25.5	60	38	27.1	60	40	28.2	64	38	29.6	64	36	38.7	66	38	32.9	68	38
Red	24.1	62	48	25.9	62	48	27.0	64	48	29.0	66	48	30.1	68	48	32.3	68	48
Blue + Diffuser	23.3	62	32	24.7	62	34	26.1	64	34	27.9	68	34	38.2	68	32	38.5	68	32
Black + Diffuser	22.9	61	31	24.4	61	31	25.9	64	31	27.5	66	31	28.4	67	30	30.8	68	30
MAIN NOZZLE #44 – GREEN							**MAIN NOZZLE #48 – BLACK**						**MAIN NOZZLE #50 – DK. BROWN**					
Pressure (psi)		70			80			70			80			70			80	
Orange	30.6	68	32	32.7	70	30	33.4	70	30	35.9	70	30	41.1	74	30	43.7	76	30
Green	33.6	68	46	36.2	70	46	36.2	66	46	38.7	70	46	43.6	72	42	46.2	74	42
Blue	34.7	68	38	36.6	70	38	36.9	66	34	40.0	68	36	43.4	72	36	46.5	74	36
Black	33.3	68	38	34.9	70	38	35.9	68	38	38.1	70	38	42.7	72	34	45.8	74	34
Red	32.5	68	48	34.5	70	48	34.8	70	46	37.5	72	46	42.3	72	44	44.8	74	44
Blue + Diffuser	31.4	70	32	33.7	72	32	34.6	70	34	36.0	72	34	41.6	74	32	44.2	76	32
Black + Diffuser	31.5	69	30	33.3	71	30	34.3	71	30	36.7	71	30	41.2	73	29	43.8	75	29

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions. Rain Bird recommends the use of SPACE for Windows,® equivalent program or derived performance data to optimize nozzle selection.

752 Series Metric Performance Data

REAR-SPREADER NOZZLES

Spreader Nozzle Color	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)	Flow (m³/h)	Flow (l/s)	Nozzle Range Main (m)	Nozzle Range Rear (m)
MAIN NOZZLE #18 – BEIGE								
Pressure (bar)	4.8				5.5			
Orange	2.6	0.71	7.9	11.0	2.8	0.77	8.5	11.0
Green	3.2	0.88	7.9	15.8	3.3	0.92	8.5	15.8
Blue	3.2	0.90	7.9	14.6	3.5	0.96	7.9	14.6
Black	3.0	0.84	7.9	14.0	3.2	0.88	7.9	14.0
Red	2.8	0.78	7.9	15.2	2.9	0.81	7.9	15.8
Blue + Diffuser	2.5	0.68	7.9	10.4	2.6	0.71	8.5	10.4
Black + Diffuser	2.6	0.72	8.2	9.8	2.5	0.70	8.5	9.8
MAIN NOZZLE #20 – GRAY								
Pressure (bar)	4.8				5.5			
Orange	2.6	0.72	11.6	11.0	2.8	0.77	11.6	10.4
Green	3.5	0.97	10.4	15.2	3.7	1.03	11.0	15.8
Blue	3.5	0.98	11.0	14.6	3.8	1.05	11.0	13.4
Black	3.3	0.91	11.0	14.0	3.5	0.97	11.0	14.0
Red	3.0	0.84	11.0	15.2	3.2	0.90	11.0	15.8
Blue + Diffuser	2.8	0.77	11.0	10.4	2.9	0.81	11.6	10.4
Black + Diffuser	2.7	0.76	11.0	10.1	2.9	0.81	11.3	9.8
MAIN NOZZLE #22 – RED								
Pressure (bar)	4.8				5.5			
Orange	3.0	0.82	12.8	9.8	3.1	0.86	12.8	10.4
Green	3.7	1.03	12.2	15.8	4.0	1.10	12.2	15.8
Blue	3.8	1.05	12.8	14.0	4.1	1.13	12.8	14.0
Black	3.6	1.00	12.2	13.4	3.8	1.07	12.8	13.4
Red	3.3	0.93	12.2	15.2	3.6	1.00	12.2	15.2
Blue + Diffuser	3.1	0.85	12.2	9.8	3.2	0.90	12.2	10.4
Black + Diffuser	3.0	0.83	11.9	9.8	3.2	0.89	11.9	9.8
MAIN NOZZLE #24 – PLUM								
Pressure (bar)	4.8				5.5			
Orange	2.8	0.77	13.4	9.8	2.9	0.81	13.4	9.8
Green	3.6	1.00	13.4	15.2	3.8	1.07	14.0	15.2
Blue	3.7	1.02	13.4	14.0	3.9	1.09	13.4	14.0
Black	3.5	0.96	13.4	14.0	3.7	1.03	13.4	14.0
Red	3.2	0.89	14.0	15.2	3.5	0.96	14.0	15.2
Blue + Diffuser	3.0	0.82	14.0	10.4	3.1	0.87	13.4	10.4
Black + Diffuser	2.9	0.80	13.4	9.8	3.1	0.86	13.4	9.8
MAIN NOZZLE #26 – LT. GREEN								
Pressure (bar)	4.8				5.5			
Orange	3.4	0.95	14.6	9.8	3.6	1.01	15.8	10.4
Green	4.2	1.18	14.6	15.2	4.5	1.26	15.2	15.8
Blue	4.3	1.19	15.2	14.0	4.6	1.27	15.2	14.0
Black	3.9	1.09	14.6	13.4	4.2	1.17	14.6	13.4
Red	3.8	1.06	14.6	15.2	4.0	1.12	14.6	15.8
Blue + Diffuser	3.5	0.96	15.2	10.4	3.7	1.03	15.2	10.4
Black + Diffuser	3.5	0.98	14.3	9.4	3.7	1.04	14.5	9.4
MAIN NOZZLE #28 – WHITE								
Pressure (bar)	4.8				5.5			
Orange	4.6	1.28	17.7	10.4	5.0	1.38	17.7	10.4
Green	5.4	1.50	17.1	15.2	5.7	1.58	17.1	15.2
Blue	5.5	1.53	17.1	12.8	5.9	1.63	17.1	12.8
Black	5.3	1.47	17.7	12.2	5.6	1.56	17.7	12.2
Red	5.1	1.41	18.3	15.2	5.4	1.49	17.7	15.2
Blue + Diffuser	4.9	1.35	18.3	10.4	5.1	1.43	18.3	10.4
Black + Diffuser	4.7	1.31	17.4	9.8	5.1	1.41	17.7	9.4
MAIN NOZZLE #32 – BLUE								
Pressure (bar)	4.8				5.5			
Orange	5.1	1.42	19.5	9.8	5.5	1.52	19.5	9.8
Green	5.9	1.63	18.3	15.2	6.2	1.73	18.9	15.2
Blue	5.9	1.63	18.3	12.8	6.2	1.73	18.3	12.8
Black	5.8	1.61	18.3	11.6	6.2	1.71	18.3	12.2
Red	5.5	1.52	18.9	14.6	5.9	1.63	18.9	14.6
Blue + Diffuser	5.3	1.47	18.9	9.8	5.6	1.56	18.9	10.4
Black + Diffuser	5.2	1.44	18.6	9.4	5.5	1.54	18.6	9.4
MAIN NOZZLE #36 – YELLOW								
Pressure (bar)	4.8				5.5			
Orange	5.7	1.58	20.1	9.8	6.1	1.69	20.1	9.8
Green	6.5	1.79	19.5	14.6	7.2	2.01	19.5	14.6
Blue	6.5	1.80	19.5	12.2	6.9	1.92	19.5	12.2
Black	6.4	1.78	19.5	11.6	6.7	1.87	19.5	11.0
Red	6.1	1.70	19.5	14.6	6.6	1.83	20.1	14.6
Blue + Diffuser	5.9	1.65	19.5	10.4	6.3	1.76	20.7	10.4
Black + Diffuser	5.9	1.63	19.5	9.4	6.2	1.73	20.1	9.4
MAIN NOZZLE #40 – ORANGE								
Pressure (bar)	4.8				5.5			
Orange	6.4	1.78	20.7	9.1	6.8	1.90	20.7	9.1
Green	7.2	1.99	20.7	14.0	7.5	2.09	20.7	14.0
Blue	7.2	1.99	20.1	12.2	7.6	2.11	20.1	12.2
Black	8.8	2.44	20.1	11.6	7.5	2.08	20.7	11.6
Red	6.8	1.90	20.7	14.6	7.3	2.04	20.7	14.6
Blue + Diffuser	8.7	2.41	20.7	9.8	8.7	2.43	20.7	9.8
Black + Diffuser	6.5	1.79	20.4	9.1	7.0	1.94	20.7	9.1
MAIN NOZZLE #44 – GREEN								
Pressure (bar)	4.8				5.5			
Orange	7.0	1.93	20.7	9.8	7.4	2.06	21.3	9.1
Green	7.6	2.12	20.7	14.0	8.2	2.28	21.3	14.0
Blue	7.9	2.19	20.7	11.6	8.3	2.31	21.3	11.6
Black	7.6	2.10	20.7	11.6	7.9	2.20	21.3	11.6
Red	7.4	2.05	20.7	14.6	7.8	2.18	21.3	14.6
Blue + Diffuser	7.1	1.98	21.3	9.8	7.7	2.13	21.9	9.8
Black + Diffuser	7.2	1.99	21.0	9.1	7.6	2.10	21.6	9.1
MAIN NOZZLE #48 – BLACK								
Pressure (bar)	4.8				5.5			
Orange	7.6	2.11	21.3	9.1	8.2	2.26	21.3	9.1
Green	8.2	2.28	20.1	14.0	8.8	2.44	21.3	14.0
Blue	8.4	2.33	20.1	10.4	9.1	2.52	20.7	11.0
Black	8.2	2.26	20.7	11.6	8.7	2.40	21.3	11.6
Red	7.9	2.20	21.3	14.0	8.5	2.37	21.9	14.0
Blue + Diffuser	7.9	2.18	21.3	10.4	8.2	2.27	21.9	10.4
Black + Diffuser	7.8	2.16	21.6	9.1	8.3	2.32	21.6	9.1
MAIN NOZZLE #50 – DK. BROWN								
Pressure (bar)	4.8				5.5			
Orange	9.3	2.59	22.6	9.1	9.9	2.76	23.2	9.1
Green	9.9	2.75	21.9	12.8	10.5	2.91	22.6	12.8
Blue	9.9	2.74	21.9	11.0	10.6	2.93	22.6	11.0
Black	9.7	2.69	21.9	10.4	10.4	2.89	22.6	10.4
Red	9.6	2.67	21.9	13.4	10.2	2.83	22.6	13.4
Blue + Diffuser	9.4	2.62	22.6	9.8	10.0	2.79	23.2	9.8
Black + Diffuser	9.4	2.60	22.3	8.8	9.9	2.76	22.9	8.8

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.
Rain Bird recommends the use of SPACE for Windows,® equivalent program or derived performance data to optimize nozzle selection.

702 Series Rotors

SPECIFICATIONS

Radius: 59' to 77' (18.0 m to 23.5 m)

Flow Rate: 16.85 to 42.85 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 bar)
Model B: 100 psi (6.9 bar)

Pressure Regulation Range: 60 to 100 psi (4.1 to 6.9 bar)

Factory Pressure Settings:
Models E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)

Dimensions:
Body Height:
Models E, IC: 12.0" (30.5 cm)
Model B: 9.6" (24.5 cm)

Pop-Up Height to Mid-Nozzle:
Models E, IC, B: 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" (32 mm) ACME female threaded
Models B: 1" (25 mm) ACME female threaded

Holdback:
Block: 17' (5.2 m) elevation

Rotation Time: 360° in ≤ 180 seconds; 160 seconds nominally

Maximum Stream Height:
Standard: 17' (5.2 m)
Wind Tolerant: 10' (3.1 m)

Solenoid: 24 VAC solenoid power requirement: 0.41 amp inrush current (9.8 VA);
60 cycle: 0.25 amp holding current (6.0 VA);
50 cycle: 0.32 amp holding current (7.7 VA)

Surge Resistance: Up to 25kV standard on electric models and 20kV on IC models.

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:
On Models E, IC

Special Features:
Self-Adjusting Stator
Optional Sod Cup

COMPATIBLE WITH
Rain Bird® Sod Cup Kit
(See page 23)

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

NOTE: 28/32/36 main nozzles come with Blue/Black spreader nozzle combination and 40/44/48 main nozzles come with Black/Black spreader nozzle combination.

U.S. Performance Data

DUAL-SPREADER™ NOZZLES

Base Pressure (psi)	50 Radius (ft)	50 Flow (gpm)	60 Radius (ft)	60 Flow (gpm)	70 Radius (ft)	70 Flow (gpm)	80 Radius (ft)	80 Flow (gpm)	90 Radius (ft)	90 Flow (gpm)	100 Radius (ft)	100 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 Radius (m)	3.4 Flow (m^3/h)	3.4 Flow (l/s)	4.1 Radius (m)	4.1 Flow (m^3/h)	4.1 Flow (l/s)	4.8 Radius (m)	4.8 Flow (m^3/h)	4.8 Flow (l/s)	5.5 Radius (m)	5.5 Flow (m^3/h)	5.5 Flow (l/s)	6.2 Radius (m)	6.2 Flow (m^3/h)	6.2 Flow (l/s)	6.9 Radius (m)	6.9 Flow (m^3/h)	6.9 Flow (l/s)
#28 - White	18.0	3.83	1.06	18.3	4.26	1.18	18.9	4.61	1.28	18.9	4.88	1.36	19.2	5.14	1.43	19.8	5.50	1.53
#32 - Blue	18.9	4.67	1.30	19.2	5.01	1.39	19.8	5.29	1.47	20.4	5.67	1.57	21.0	6.20	1.72	21.0	6.51	1.81
#36 - Yellow	20.1	4.76	1.32	20.1	5.44	1.51	20.7	6.00	1.67	21.3	6.42	1.78	21.3	6.54	1.83	21.6	7.09	1.97
#40 - Orange	19.5	5.43	1.51	20.7	5.97	1.66	21.6	6.52	1.81	22.0	6.95	1.93	22.3	7.29	2.03	22.6	7.60	2.11
#44 - Green	—	—	—	21.0	6.59	1.83	22.3	7.23	2.01	22.9	7.71	2.14	22.9	8.09	2.25	22.9	8.44	2.34
#48 - Black	—	—	—	—	—	—	22.0	8.04	2.23	22.6	8.51	2.36	22.9	9.29	2.58	23.5	9.73	2.70

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.
Rain Bird recommends the use of SPACE for Windows,® equivalent program or derived performance data to optimize nozzle selection.

552 Block 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 m³/h)

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

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

Maximum Inlet Pressure: 100 psi (6.9 bar)

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" (25 mm) ACME female thread

Holdback: 17' (5.2 m) 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

HOW TO SPECIFY

A	–	552	–	XX	–	XX
THREAD TYPE ACME		MODEL 552		BODY/ VALVE B		NOZZLE 51 52 53 54

Turn-of-a-Screw Adjustments

The same time-saving Rapid-Adjust Technology as the 752, now available on the 552.

(See page 14 for details)

U.S. Performance Data

CASCADE NOZZLES

Base Pressure (psi)	50 Radius (ft)	50 Flow (gpm)	60 Radius (ft)	60 Flow (gpm)	70 Radius (ft)	70 Flow (gpm)	80 Radius (ft)	80 Flow (gpm)	90 Radius (ft)	90 Flow (gpm)	100 Radius (ft)	100 Flow (gpm)
#51-Blue	33	6.8	34	7.4	35	8.0	36	8.5	37	8.8	37.5	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 Radius (m)	3.4 Flow (m³/h)	3.4 Flow (l/s)	4.1 Radius (m)	4.1 Flow (m³/h)	4.1 Flow (l/s)	4.8 Radius (m)	4.8 Flow (m³/h)	4.8 Flow (l/s)	5.5 Radius (m)	5.5 Flow (m³/h)	5.5 Flow (l/s)	6.2 Radius (m)	6.2 Flow (m³/h)	6.2 Flow (l/s)	6.9 Radius (m)	6.9 Flow (m³/h)	6.9 Flow (l/s)
#51-Blue	10.1	1.54	0.43	10.4	1.68	0.47	10.7	1.82	0.50	11.0	1.93	0.54	11.3	2.00	0.56	11.3	2.11	0.59
#52-Beige	11.3	1.52	0.42	11.9	1.64	0.46	11.3	1.83	0.51	11.3	1.87	0.52	11.9	1.99	0.55	11.9	2.11	0.59
#53-Gray	15.5	2.12	0.59	15.5	2.29	0.64	15.5	2.49	0.69	15.5	2.65	0.73	15.5	2.83	0.79	15.5	2.99	0.83
#54-Red	—	—	—	—	—	—	16.2	2.72	0.75	16.5	2.82	0.78	16.8	3.01	0.84	16.8	3.18	0.88

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions. Rain Bird recommends the use of SPACE for Windows,® equivalent program or derived performance data to optimize nozzle selection.




Features	952	752	702	552
Radius	70' to 101' (21.3 m to 31.8 m)	30' to 84' (9.1 m to 25.6 m)	59' to 77' (18.0 m to 23.5 m)	33' to 55' (10.1 m to 16.8 m)
Flow Rate	19.7 to 54.5 gpm (1.24 to 3.44 l/s) (4.43 to 12.38 m^3/h)	6.8 to 47.0 gpm (0.43 to 2.97 l/s) (1.54 to 10.68 m^3/h)	16.85 to 42.85 gpm (1.06 to 2.70 l/s) (3.83 to 9.73 m^3/h)	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°	Full-circle 360° Adjustable 30° to 345°	Full-circle 360°	Full-circle 360° Adjustable 30° to 345°
Models	**Full- and Part-Circle** **952E:** Electric **952IC:** Integrated Control **952SAM:** Stopamatic	**Full- and Part-Circle** **752E:** Electric **752IC:** Integrated Control **752B:** Seal-A-Matic	**Full-Circle** **702E:** Electric **702IC:** Integrated Control **702B:** Seal-A-Matic	**Full- and Part-Circle** **552B:** Seal-A-Matic™
Maximum Inlet Pressure	**Models E and IC:** 150 psi (10.3 bar) **Model SAM:** 100 psi (6.9 bar)	**Models E and IC:** 150 psi (10.3 bar) **Model B:** 100 psi (6.9 bar)		100 psi (6.9 bar)
Pressure Regulation Range	**Models E and IC:** 60 to 100 psi (4.1 to 6.9 bar)	60 to 100 psi (4.1 to 6.9 bar)		—
Factory Pressure Settings	**E and IC:** Available in 70 and 80 psi (4.8 and 5.5 bar)	**E and IC:** Available in 70 and 80 psi (4.8 and 5.5 bar)		—
Body Height	13.4" (34.0 cm)	**Models E, IC:** 12.0" (30.5 cm) **Model B:** 9.6" (24.5 cm)		9.6" (24.5 cm)
Pop-Up Height	2.6" (6.6 cm)	2.6" (6.6 cm)		2.6" (6.6 cm)
Top Diameter	7.00" (17.8 cm)	**Models E, IC:** 6.25" (15.9 cm) **Model B:** 4.25" (10.8 cm)		4.25" (10.8 cm)
Nozzle Trajectory	**Standard:** 25° **Low Angle:** 17°	**Standard:** 25° **Wind Tolerant:** 12° **Low Angle:** 15°	**Standard:** 25° **Wind Tolerant:** 12°	**51 Nozzle:** 12° **52, 53, 54 Nozzles:** 25°
Inlet Threads	1.5" (38 mm) (15/21) ACME female threaded	**Models E, IC:** 1.25" (32 mm) ACME female threaded **Model B:** 1" (25 mm) ACME female threaded		1" (25 mm) ACME female threaded
Holdback	**SAM:** 17' (5.2 m) elevation	**Block:** 17' (5.2 m) elevation		17' (5.2 m) elevation
Rotation Time	180° in ≤ 100 seconds; 80 seconds nominally	180° in ≤ 90 seconds; 80 seconds nominally	360° in ≤ 180 seconds; 160 seconds nominally	180° in ≤ 90 seconds; 80 seconds nominally
Maximum Stream Height	**Standard:** 22' (6.7 m) **Low Angle:** 12' (3.7 m)	**Standard:** 17' (5.2 m) **Wind Tolerant:** 10' (3.1 m) **Low Angle:** 12' (3.7 m)	**Standard:** 17' (5.2 m) **Wind Tolerant:** 10' (3.1 m)	**51 Nozzle:** 5' (1.5 m) **52, 53, 54 Nozzles:** 13' (4.0 m)
Solenoid	24 VAC solenoid power requirement, 20kV on IC models	24 VAC solenoid power requirement, 20kV on IC models		—
Surge Resistance	25kV standard on electric models	Up to 25kV standard on electric models		—
Top-Serviceable Rock Screen™ and Replaceable Valve Seat	E, IC, SAM	E, IC		—

Swing Joints

Featuring a swept elbow design that extends the life of your swing joint, superior flow characteristics and excellent structural integrity, these swing joints are designed to deliver performance you expect from Rain Bird while saving you money.

SPECIFICATIONS

Diameter: 1" (2.5 cm), 1 ¼" (3.2 cm) and 1 ½" (3.8 cm)

Lay Arm Lengths: 8" (20.3 cm), 12" (30.5 cm) and 18" (45.7 cm)

Inlet Type: NPT, BSP, ACME, AquaFuse® AquaSaddle, and spigot

Outlet Thread Type: NPT, BSP or ACME

Enlarging NPT, BSP or ACME Outlets: Available on 1" (2.5 cm) and 1 ¼" (3.2 cm) swing joints for connections to many rotors with 1 ¼" (3.2 cm) and 1 ½" (3.8 cm) inlet sizes respectively (no additional adapters required)

Inlet Configurations: Standard side or top-mount connections to lateral lines

Outlet Configuration: Single-top or triple-top for added rotor positioning flexibility

Pressure Rating: 315 psi (21.7 bar) at 73˚F (22.8˚C)

Reducing ACME Inlet: Available on 1 ¼" (3.2 cm) diameter swing joints for connection to a 1 ½" (3.8 cm) ACME service tee

Superior Flow Characteristics. An innovative swept elbow design reduces pressure loss by up to 50 percent over other swing joints.

Excellent Structural Integrity. Reduces the costs associated with fatigue-related failures.

Double O-ring Protection. Provides a better seal to ensure that joints are kept clean and can be repositioned easily.

Modified ACME Outlet. Improves safety by losing seal engagement before losing thread engagement during rotor removal.

Oversized Threaded Inlets. Make hand-tightening and blind installations (underwater) easier. This also reduces the risk of potential damage caused by over-tightening with a wrench.

Extended Warranty. When used with Rain Bird golf rotors, extends rotor and swing joint warranty to five years.

ALSO AVAILABLE

NPT and BSP ACME Adapters

If you currently have NPT or BSP swing joints, you can now enjoy the benefits of ACME-threaded rotors by utilizing a Rain Bird NPT-ACME or BSP-ACME side of the adapter. Just screw the adapter into the inlet on the ACME case, and then screw the rotor with the adapter onto the NPT or BSP swing joint until it is snug.

AquaFuse® AquaSaddle Inlet

NEW

Directly connect Rain Bird Swing Joints to AquaFuse AquaSaddle without the need for a separate adapter.

Swing joints featuring Aquasaddle Inlets are offered in various configurations, including lay arm lengths of 8", 12", and 18". Additionally, these swing joints are available in diameters of 1", 1.25", and 1.5".

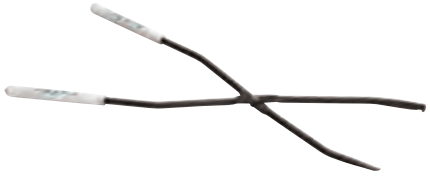
Service Tools

Rain Bird offers a full line of quality tools for the service and maintenance of Rain Bird golf rotors. Constructed of heavy-duty metal alloys and durable plastic, these tools are lightweight and easy to use.

D02203 – Snap-Ring Pliers 900/950/952

Y05100 – Rotor Tool

B41720 – Selector Service Tool/Key



D02236 – Snap-Ring Pliers
551/552/700/702/751/752

D02237 – Installation Socket for
Top-Serviceable Rock Screen

D05205 – Universal Hose Adapter

B41730 – Valve Insertion Tool 900/950/952

D02215 – 7" Selector Valve Key

B41710 – Valve Insertion Tool
551/700/702/751/752

D02221 – 18" Selector Valve Key

Sod Cup Kit

Enhance the playability and appearance of your course with easy-to-install sod cups. Turf growth directly on top of the rotor eliminates the need to trim around heads while keeping it easily accessible for service.