



Rockrimmon Country Club

GOLF ROTORS

Golf Rotors

Engineered to Perform. Built to Last.

Rain Bird® golf rotors are engineered for precise application and distribution uniformity, helping you get the most from your water source. With intelligent, easy-to-use features like a top-serviceable design and quick full- or part-circle adjustments, Rain Bird golf rotors help you and your crew save time every week.

Designed for Timeless Compatibility™ with every gear-driven golf rotor manufactured since 1992, these rotors give you the flexibility to update internals without having to dig up the case, saving you even more time.

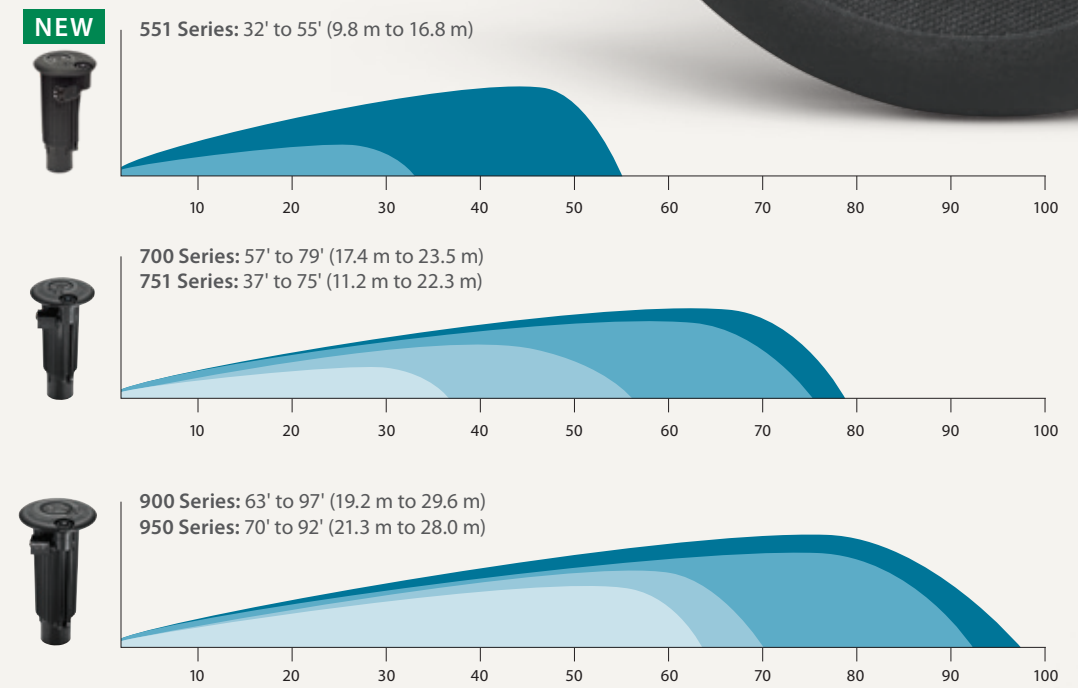
GBS25 Solenoid

Delivers 25kV surge protection and built-in filtration for a second level of protection from debris. 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.

NEW



551 Series Rotors

SPECIFICATIONS

Radius: 32' to 55' (9.8 m to 16.8 m)

Flow Rate: 6.83 to 13.63 gpm (0.43 to 0.86 l/s) (1.55 to 3.10 m³/h)

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

Models:

- E:** Electric
- IC:** Integrated Control
- SAM:** Stopamatic
- B:** Seal-A-Matic™ device

Maximum Inlet Pressure:

- Models E and IC:** 150 psi (10.3 bar)
- Models SAM and 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, SAM:** 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, SAM:** 6.25" (15.9 cm)
- Model B:** 4.25" (10.8 cm)

Nozzle Trajectory:

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

Inlet Threads:

- Models E, IC, SAM:** 1.25" (3.2 cm) ACME female threaded
- Model B:** 1" (2.5 cm) ACME

Holdback:

- Block:** 10' (3.1 m) elevation
- SAM:** 15' (4.6 m) elevation

Rotation Time: 180° in ≤ 90 seconds; 75 seconds nominally

Maximum Stream Height:

- 51 Nozzle:** 5' (1.5 m)
- 52, 53, 54 Nozzles:** 13' (4.0 m)

Solenoid: 24 VAC solenoid power requirement: 0.41 amp inrush current (9.8 VA);

- 60 cycle:** 0.20 amp holding current (4.8 VA);
- 50 cycle:** 0.23 amp holding current (5.4 VA)

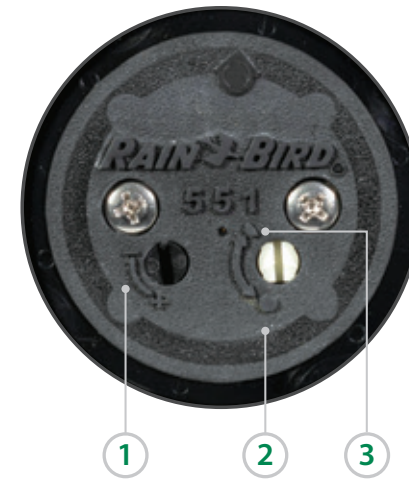
Surge Resistance: Up to 25kV standard on electric models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:

On models E, IC, SAM

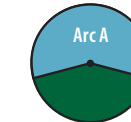
Features and Benefits

Designed to provide the right coverage for areas like tee boxes and small areas, Rain Bird® 551 Series Rotors are the most efficient short-throw golf rotors on the market. As a true golf-quality rotor with valve-in-head options, the 551 Series delivers strong distribution uniformity in small, tight areas. Nozzles with a higher flow rate minimize your water window while large droplets reduce wind drift.



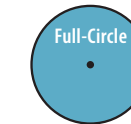
Rapid-Adjust Technology Featuring MemoryArc®

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.



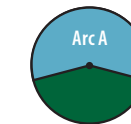
Step 1

Set primary rotor arc.



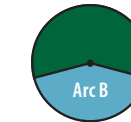
Step 2

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.



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 | 32 | 6.83 | 34 | 7.53 | 35 | 8.00 | 36 | 8.60 | 37 | 9.03 | 38 | 9.43 |
| #52-Beige | 38 | 6.57 | 39 | 7.17 | 40 | 7.90 | 40 | 8.73 | 40 | 8.80 | 40 | 9.33 |
| #53-Gray | 51 | 9.27 | 51 | 10.20 | 51 | 11.10 | 51 | 11.80 | 51 | 12.60 | 51 | 13.17 |
| #54-Red | 53 | 9.71 | 55 | 10.74 | 53 | 11.49 | 53 | 12.26 | 55 | 12.97 | 55 | 13.63 |

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) (m ³ /h) | Radius (m) | Flow (l/s) (m ³ /h) | Radius (m) | Flow (l/s) (m ³ /h) | Radius (m) | Flow (l/s) (m ³ /h) | Radius (m) | Flow (l/s) (m ³ /h) | Radius (m) | Flow (l/s) (m ³ /h) |
| #51-Blue | 9.8 | 0.43 1.55 | 10.4 | 0.48 1.71 | 10.7 | 0.50 1.82 | 11.0 | 0.54 1.95 | 11.3 | 0.57 2.05 | 11.6 | 0.59 2.14 |
| #52-Beige | 11.6 | 0.41 1.49 | 11.9 | 0.45 1.63 | 12.2 | 0.50 1.79 | 12.2 | 0.55 1.98 | 12.2 | 0.56 2.00 | 12.2 | 0.59 2.12 |
| #53-Gray | 15.5 | 0.58 2.11 | 15.5 | 0.64 2.32 | 15.5 | 0.70 2.52 | 15.5 | 0.74 2.68 | 15.5 | 0.79 2.86 | 15.5 | 0.83 2.99 |
| #54-Red | 16.2 | 0.61 2.21 | 16.8 | 0.68 2.44 | 16.2 | 0.72 2.61 | 16.2 | 0.77 2.78 | 16.8 | 0.82 2.95 | 16.8 | 0.86 3.10 |

HOW TO SPECIFY

| | | | | | | | | |
|-------------|----------|------------|----------|-------------|----------|--------------------|----------|-----------|
| A | - | 551 | - | XX | - | XX | - | XX |
| THREAD TYPE | | MODEL | | BODY/ VALVE | | PRESSURE REGULATOR | | NOZZLE |
| ACME | | 551 | | E | | 70 (4.8) | | 51 |
| | | | | IC | | 80 (5.5) | | 52 |
| | | | | SAM | | | | 53 |
| | | | | B | | | | 54 |

700 Series Rotors

SPECIFICATIONS

Radius: 57' to 79' (17.4 m to 23.5 m)

Flow Rate: 16.3 to 43.8 gpm (1.03 to 2.76 l/s) (3.70 to 9.95 m³/h)

Arc: Full-circle 360°

Models:

- E: Electric
- IC: Integrated Control
- SAM: Stopamatic
- B: Seal-A-Matic™ device

Maximum Inlet Pressure:

- Models E and IC: 150 psi (10.3 bar)
- Models SAM and B: 100 psi (6.9 bar)

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

Factory Pressure Settings: 700E/IC and available in 70 and 80 psi (4.8 and 5.5 bar)

Dimensions:

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

- Pop-Up Height to Mid-Nozzle:**
- Models E, IC, SAM, B: 2.6" (6.6 cm)

- Top Diameter:**
- Models E, IC, SAM: 6.25" (15.9 cm)
- Model B: 4.25" (10.8 cm)

Nozzle Trajectory:

- Standard: 25°
- Wind Tolerant: 12°

Inlet Threads:

- Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded
- Models B: 1" (2.5 cm) ACME Female Threaded

Holdback:

- Block: 10' (3.1 m) of elevation
- SAM: 15' (4.6 m) of elevation

Rotation Time: 360° in ≤ 180 seconds; 150 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: 0.20 amp holding current (4.8 VA);
- 50 cycle: 0.23 amp holding current (5.4 VA)

Surge Resistance: Up to 25kV standard on electric models

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

Features and Benefits

Featuring consistent pressure regulation and high-efficiency nozzles with large droplets that cut through harsh winds, Rain Bird® 700 Series rotors give you the even distribution you need for a healthy playing surface. With the ability to drop a new Rain Bird 700 Series internal assembly into your existing rotor cases, they save you time and money year after year.

Rain Bird golf rotors offer a low cost of ownership through a powerful combination of versatility, performance and durability.



COMPATIBLE WITH
Rain Bird® Sod Cup Kit
(See page 19)



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 | 57 | 18.0 | 59 | 19.7 | 59 | 21.3 | 61 | 22.8 | 61 | 24.1 | 61 | 25.5 |
| #32 - Blue | 61 | 21.9 | 63 | 22.8 | 65 | 24.5 | 65 | 27.4 | 67 | 29.0 | 67 | 29.6 |
| #36 - Yellow | 65 | 23.2 | 65 | 25.5 | 65 | 27.5 | 67 | 29.5 | 65 | 31.2 | 67 | 32.9 |
| #40 - Orange | 65 | 25.5 | 67 | 27.8 | 71 | 29.8 | 71 | 31.9 | 73 | 33.9 | 73 | 35.6 |
| #44 - Green | — | — | 71 | 30.7 | 69 | 33.0 | 71 | 35.2 | 75 | 37.5 | 75 | 39.5 |
| #48 - Black | — | — | — | — | 73 | 37.0 | 77 | 39.4 | 79 | 41.8 | 77 | 43.8 |

| 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 | — | — | 56 | 16.3 | 56 | 17.5 | 60 | 18.5 | 62 | 20.2 | 63 | 21.1 |
| #18 WTN - Red | — | — | 58 | 19.0 | 61 | 20.9 | 65 | 22.3 | 65 | 23.2 | 65 | 24.2 |
| #22 WTN - Black | — | — | — | — | 65 | 27.6 | 65 | 34.8 | 67 | 38.8 | 71 | 40.5 |

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 (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) | | | |
| #28 - White | 17.4 | 1.14 | 4.09 | 18.0 | 1.24 | 4.47 | 18.0 | 1.34 | 4.84 | 18.6 | 1.44 | 5.18 | 18.6 | 1.52 | 5.47 | 18.6 | 1.61 | 5.79 |
| #32 - Blue | 18.6 | 1.38 | 4.97 | 19.2 | 1.44 | 5.18 | 19.8 | 1.55 | 5.56 | 19.8 | 1.73 | 6.22 | 20.4 | 1.83 | 6.59 | 20.4 | 1.87 | 6.72 |
| #36 - Yellow | 19.8 | 1.46 | 5.27 | 19.8 | 1.61 | 5.79 | 19.8 | 1.73 | 6.25 | 20.4 | 1.86 | 6.70 | 19.8 | 1.97 | 7.09 | 20.4 | 2.08 | 7.47 |
| #40 - Orange | 19.8 | 1.61 | 5.79 | 20.4 | 1.75 | 6.31 | 21.6 | 1.88 | 6.77 | 21.6 | 2.01 | 7.25 | 22.3 | 2.14 | 7.70 | 22.3 | 2.25 | 8.09 |
| #44 - Green | — | — | — | 21.6 | 1.94 | 6.97 | 21.0 | 2.08 | 7.49 | 21.6 | 2.22 | 7.99 | 22.9 | 2.37 | 8.52 | 22.9 | 2.49 | 8.97 |
| #48 - Black | — | — | — | — | — | — | 22.3 | 2.33 | 8.40 | 23.5 | 2.49 | 8.95 | 24.1 | 2.64 | 9.49 | 23.5 | 2.76 | 9.95 |

| WIND TOLERANT 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) | | | |
| #16 WTN - Gray | — | — | — | 17.1 | 1.03 | 3.70 | 17.1 | 1.10 | 3.97 | 18.3 | 1.17 | 4.20 | 18.9 | 1.27 | 4.59 | 19.2 | 1.33 | 4.79 |
| #18 WTN - Red | — | — | — | 17.7 | 1.20 | 4.32 | 18.6 | 1.32 | 4.75 | 19.8 | 1.41 | 5.06 | 19.8 | 1.46 | 5.27 | 19.8 | 1.53 | 5.50 |
| #22 WTN - Black | — | — | — | — | — | — | 19.8 | 1.74 | 6.27 | 19.8 | 2.20 | 7.90 | 20.4 | 2.45 | 8.81 | 21.6 | 2.56 | 9.20 |

HOW TO SPECIFY

| | | | | | | | | |
|-------------|---|-------|---|-------------|---|--------------------|---|--------|
| A | - | 700 | - | XX | - | XX | - | XX |
| THREAD TYPE | | MODEL | | BODY/ VALVE | | PRESSURE REGULATOR | | NOZZLE |
| ACME | | 700 | | E | | 70 (4.8) | | 28 |
| | | | | IC | | 80 (5.5) | | 32 |
| | | | | SAM | | | | 36 |
| | | | | B | | | | 40 |
| | | | | | | | | 44 |
| | | | | | | | | 48 |

751 Series Rotors

SPECIFICATIONS

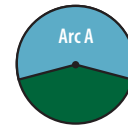
- Radius:** 37' to 75' (11.2 m to 22.3 m)
- Flow Rate:** 7.0 to 37.7 gpm (0.44 to 2.38 l/s) (1.59 to 8.56 m³/h)
- Arc:** Full-circle 360°; Adjustable 30° to 345°
- Models:**
 - E:** Electric
 - IC:** Integrated Control
 - SAM:** Stopmatic
 - B:** Seal-A-Matic™ device
- Maximum Inlet Pressure:**
 - Models E and IC:** 150 psi (10.3 bar)
 - Models SAM and B:** 100 psi (6.9 bar)
- Pressure Regulation Range:** 60 to 100 psi (4.1 to 6.9 bar)
- Factory Pressure Settings:** 751E/IC available in 70 and 80 psi (4.8 and 5.5 bar)
- Dimensions:**
 - Body Height:**
 - Models E, IC, SAM:** 12.0" (30.5 cm)
 - Model B:** 9.6" (24.5 cm)
 - Pop-Up Height to Mid-Nozzle:**
 - Models E, IC, SAM, B:** 2.6" (6.6 cm)
 - Top Diameter:**
 - Models E, IC, SAM:** 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, SAM:** 1.25" (3.2 cm) ACME Female Threaded
 - Model B:** 1" (2.5 cm) ACME Female Threaded
- Holdback:**
 - Block:** 10' (3.1 m) of elevation
 - SAM:** 15' (4.6 m) of elevation

- Rotation Time:** 180° in ≤ 90 seconds; 75 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:** 0.20 amp holding current (4.8 VA); **50 cycle:** 0.23 amp holding current (5.4 VA)
- Surge Resistance:** Up to 25kV standard on electric models
- Top-Serviceable Rock Screen™ and Replaceable Valve Seat:** On models E, IC, SAM

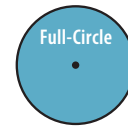


Rapid-Adjust Technology Featuring MemoryArc®

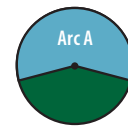
Whether you're catering to grow-in or just trying to get more from a limited water supply, Rapid-Adjust Technology lets your staff make easy arc adjustments with the turn of a screw. MemoryArc retains two part-circle arc settings, so you can shift between full- and part-circle operation in seconds.



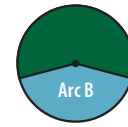
Step 1
Set primary rotor arc.



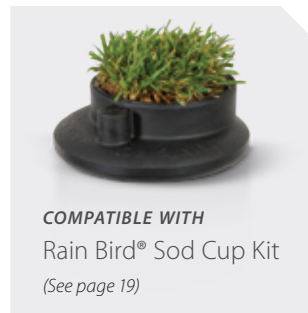
Step 2
Turn the Full/Part Adjustment Screw for full-circle operation.



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.



NEW
Low Angle Nozzle Housing Kit
The Rain Bird 751 Series low angle nozzle housing kit with 15° trajectory gives the user capability to optimize rotors to meet challenging field conditions such as elevation differences, wind and obstacles.



HOW TO SPECIFY

| A | 751 | XX | XX | XX |
|-------------|-------|-------------|--------------------|--------|
| THREAD TYPE | MODEL | BODY/ VALVE | PRESSURE REGULATOR | NOZZLE |
| ACME | 751 | E | 70 (4.8) | 20 |
| | | IC | 80 (5.5) | 22 |
| | | SAM | | 28 |
| | | B | | 32 |
| | | | | 36 |
| | | | | 40 |
| | | | | 44 |
| | | | | 48 |

U.S. Performance Data

| DUAL SPREADER™ NOZZLES WITH STANDARD AND LOW ANGLE (LA) HOUSINGS | | | | | | | | | | | | | | | | | | |
|--|-------------|----------------|------------|-------------|----------------|------------|-------------|----------------|------------|-------------|----------------|------------|-------------|----------------|------------|-------------|----------------|------------|
| Base Pressure (psi) | 50 | | | 60 | | | 70 | | | 80 | | | 90 | | | 100 | | |
| | Radius (ft) | Radius LA (ft) | Flow (gpm) | Radius (ft) | Radius LA (ft) | Flow (gpm) | Radius (ft) | Radius LA (ft) | Flow (gpm) | Radius (ft) | Radius LA (ft) | Flow (gpm) | Radius (ft) | Radius LA (ft) | Flow (gpm) | Radius (ft) | Radius LA (ft) | Flow (gpm) |
| #20 - Gray | 37 | 32 | 7.0 | 39 | 32 | 7.8 | 39 | 32 | 8.4 | 41 | 34 | 8.9 | — | — | — | — | — | — |
| #22 - Red | 40 | 40 | 8.3 | 45 | 40 | 9.5 | 45 | 42 | 10.2 | 43 | 41 | 10.8 | — | — | — | — | — | — |
| #28 - White | 55 | 52 | 15.2 | 57 | 55 | 16.8 | 59 | 56 | 18.1 | 59 | 55 | 19.3 | 59 | 55 | 20.5 | 57 | 56 | 21.5 |
| #32 - Blue | 59 | 59 | 17.1 | 61 | 61 | 18.6 | 61 | 61 | 20.0 | 61 | 61 | 21.4 | 63 | 62 | 22.5 | 63 | 63 | 23.9 |
| #36 - Yellow | 61 | 60 | 19.1 | 63 | 63 | 20.8 | 65 | 65 | 22.6 | 67 | 67 | 24.0 | 69 | 69 | 25.5 | 69 | 69 | 26.5 |
| #40 - Orange | 63 | 62 | 21.7 | 67 | 65 | 23.8 | 69 | 67 | 25.6 | 71 | 67 | 27.5 | 71 | 70 | 28.9 | 71 | 70 | 30.7 |
| #44 - Green | — | — | — | 65 | 65 | 26.3 | 69 | 69 | 28.3 | 71 | 71 | 30.4 | 71 | 71 | 32.1 | 73 | 73 | 34.1 |
| #48 - Black | — | — | — | — | — | — | 69 | 69 | 31.4 | 73 | 73 | 33.7 | 75 | 75 | 35.7 | 73 | 73 | 37.7 |

| 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 | 62 | 16.7 | 62 | 17.8 | 64 | 18.8 | 66 | 20.4 | |
| #18 WTN - Red | — | — | 63 | 18.8 | 63 | 20.0 | 65 | 21.4 | 67 | 22.7 | 67 | 24.0 | |
| #22 WTN - Black | — | — | — | — | 65 | 27.6 | 65 | 35.8 | 67 | 37.6 | 71 | 41.1 | |

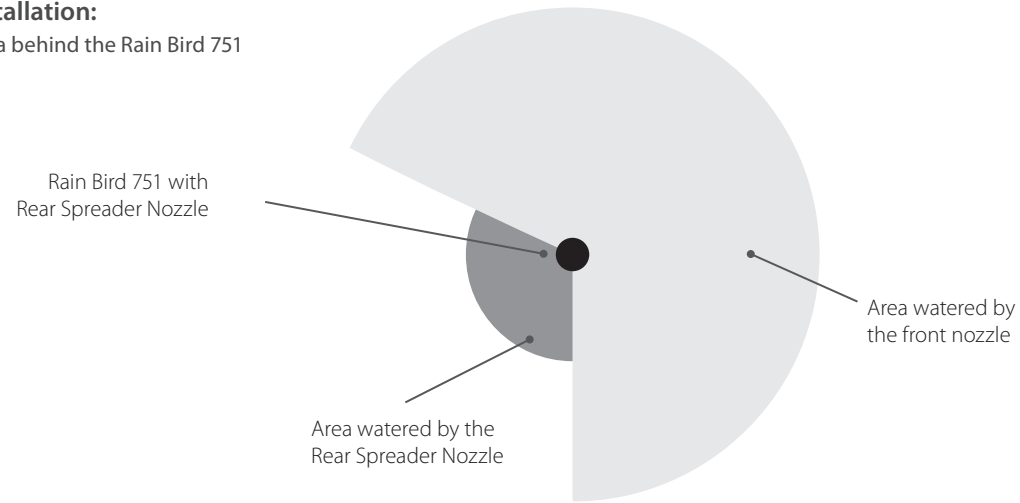
Metric Performance Data

| DUAL SPREADER™ NOZZLES WITH STANDARD AND LOW ANGLE (LA) HOUSINGS | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|---------------|------------|--------------------------|------------|---------------|------------|--------------------------|------------|---------------|------------|--------------------------|------------|---------------|------------|--------------------------|------|------|------|------|------|------|------|------|
| Base Pressure (bar) | 3.4 | | 4.1 | | 4.8 | | 5.5 | | 6.2 | | 6.9 | | | | | | | | | | | | | |
| | Radius (m) | Radius LA (m) | Flow (l/s) | Flow (m ³ /h) | Radius (m) | Radius LA (m) | Flow (l/s) | Flow (m ³ /h) | Radius (m) | Radius LA (m) | Flow (l/s) | Flow (m ³ /h) | Radius (m) | Radius LA (m) | Flow (l/s) | Flow (m ³ /h) | | | | | | | | |
| #20 - Gray | 11.3 | 9.8 | 0.40 | 1.59 | 11.8 | 9.8 | 0.49 | 1.77 | 11.9 | 9.8 | 0.53 | 1.91 | 12.5 | 10.4 | 0.56 | 2.02 | — | — | — | — | | | | |
| #22 - Red | 12.2 | 12.2 | 0.52 | 1.89 | 13.7 | 12.2 | 0.60 | 2.16 | 13.7 | 12.8 | 0.64 | 2.32 | 13.1 | 12.5 | 0.68 | 2.45 | — | — | — | — | | | | |
| #28 - White | 16.8 | 15.8 | 0.96 | 3.45 | 17.4 | 16.8 | 1.06 | 3.82 | 18.0 | 17.1 | 1.14 | 4.11 | 18.0 | 16.8 | 1.22 | 4.38 | 18.0 | 16.8 | 1.29 | 4.66 | 17.4 | 17.1 | 1.36 | 4.88 |
| #32 - Blue | 18.0 | 18.0 | 1.08 | 3.88 | 18.6 | 18.6 | 1.17 | 4.22 | 18.6 | 18.6 | 1.26 | 4.54 | 18.6 | 18.6 | 1.35 | 4.86 | 19.2 | 18.9 | 1.42 | 5.11 | 19.2 | 19.2 | 1.51 | 5.43 |
| #36 - Yellow | 18.6 | 18.3 | 1.21 | 4.34 | 19.2 | 19.2 | 1.31 | 4.72 | 19.8 | 19.8 | 1.43 | 5.13 | 20.4 | 20.4 | 1.51 | 5.45 | 21.0 | 21.0 | 1.61 | 5.79 | 21.0 | 21.0 | 1.67 | 6.02 |
| #40 - Orange | 19.2 | 18.9 | 1.37 | 4.93 | 20.4 | 19.8 | 1.50 | 5.41 | 21.0 | 20.4 | 1.62 | 5.81 | 21.0 | 20.4 | 1.73 | 6.25 | 21.6 | 21.3 | 1.82 | 6.56 | 21.6 | 21.3 | 1.94 | 6.97 |
| #44 - Green | — | — | — | — | 19.8 | 19.8 | 1.66 | 5.97 | 21.0 | 21.0 | 1.79 | 6.43 | 21.6 | 21.6 | 1.92 | 6.90 | 21.6 | 21.6 | 2.03 | 7.29 | 22.3 | 22.3 | 2.15 | 7.74 |
| #48 - Black | — | — | — | — | — | — | — | — | 21.0 | 21.0 | 1.98 | 7.13 | 22.3 | 22.3 | 2.13 | 7.65 | 22.9 | 22.9 | 2.25 | 8.11 | 22.3 | 22.3 | 2.38 | 8.56 |

| WIND TOLERANT 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) | | | |
| #16 WTN - Gray | — | — | — | 18.3 | 0.99 | 3.57 | 18.9 | 1.05 | 3.79 | 18.9 | 1.12 | 4.04 | 19.5 | 1.19 | 4.27 | 20.1 | 1.29 | 4.63 |
| #18 WTN - Red | — | — | — | 19.2 | 1.19 | 4.27 | 19.2 | 1.26 | 4.54 | 19.8 | 1.35 | 4.86 | 20.4 | 1.43 | 5.16 | 20.4 | 1.51 | 5.45 |
| #22 WTN - Black | — | — | — | — | — | — | 19.8 | 1.74 | 6.27 | 19.8 | 2.26 | 8.13 | 20.4 | 2.37 | 8.54 | 21.6 | 2.59 | 9.33 |

Typical Installation:

Watering area behind the Rain Bird 751



751 Series U.S. Performance Data

| REAR SPREADER NOZZLES | | | | | | | | | | | | | | | | | | |
|--------------------------|------------|--------------|-----------|------------|--------------|-----------|------------|--------------|--------------------------|------------|--------------|-----------|------------|--------------|-----------|------------|--------------|-----------|
| Spreader Nozzle Color | Flow (gpm) | Nozzle Range | | Flow (gpm) | Nozzle Range | | Flow (gpm) | Nozzle Range | | Flow (gpm) | Nozzle Range | | Flow (gpm) | Nozzle Range | | Flow (gpm) | Nozzle Range | |
| | | Main (ft) | Rear (ft) | | Main (ft) | Rear (ft) | | Main (ft) | Rear (ft) | | Main (ft) | Rear (ft) | | Main (ft) | Rear (ft) | | Main (ft) | Rear (ft) |
| MAIN NOZZLE #28 – WHITE | | | | | | | | | MAIN NOZZLE #32 – BLUE | | | | | | | | | |
| Pressure (psi) | 60 | | 70 | | 80 | | 60 | | 70 | | 80 | | 60 | | 70 | | 80 | |
| Orange | 20.00 | 55.00 | 25.00 | 21.40 | 55.00 | 23.00 | 22.80 | 55.00 | 23.00 | 22.10 | 61.00 | 29.00 | 23.40 | 61.00 | 29.00 | 25.20 | 61.00 | 29.00 |
| Green | 22.90 | 51.00 | 47.00 | 24.00 | 53.00 | 45.00 | 25.60 | 51.00 | 47.00 | 24.60 | 57.00 | 47.00 | 26.60 | 59.00 | 45.00 | 28.40 | 59.00 | 45.00 |
| Blue | 22.63 | 50.98 | 44.98 | 24.39 | 50.98 | 44.98 | 25.27 | 52.99 | 44.98 | 24.57 | 58.99 | 42.98 | 26.55 | 58.99 | 44.98 | 28.27 | 60.99 | 44.98 |
| Black | 21.13 | 52.99 | 36.98 | 23.12 | 52.99 | 38.98 | 24.39 | 50.98 | 38.98 | 23.20 | 58.99 | 36.98 | 24.79 | 56.99 | 36.98 | 26.64 | 58.99 | 38.98 |
| Red | 21.90 | 53.00 | 49.00 | 23.60 | 55.00 | 49.00 | 25.10 | 55.00 | 47.00 | 24.10 | 55.00 | 49.00 | 25.00 | 59.00 | 47.00 | 26.50 | 57.00 | 47.00 |
| Blue + Diffuser | 20.90 | 57.00 | 33.00 | 21.50 | 55.00 | 33.00 | 22.90 | 55.00 | 33.00 | 23.20 | 61.00 | 31.00 | 24.90 | 61.00 | 31.00 | 26.30 | 61.00 | 31.00 |
| Black + Diffuser | 19.20 | 54.99 | 30.97 | 29.28 | 56.99 | 30.97 | 21.84 | 54.99 | 30.97 | 20.96 | 56.99 | 32.97 | 22.63 | 56.99 | 32.97 | 24.08 | 56.99 | 32.97 |
| MAIN NOZZLE #36 – YELLOW | | | | | | | | | MAIN NOZZLE #40 – ORANGE | | | | | | | | | |
| Pressure (psi) | 60 | | 70 | | 80 | | 60 | | 70 | | 80 | | 60 | | 70 | | 80 | |
| Orange | 23.40 | 61.00 | 29.00 | 25.40 | 63.00 | 29.00 | 27.10 | 63.00 | 27.00 | 27.70 | 69.00 | 29.00 | 29.60 | 69.00 | 29.00 | 31.60 | 71.00 | 29.00 |
| Green | 26.90 | 61.00 | 43.00 | 29.10 | 61.00 | 45.00 | 30.50 | 63.00 | 45.00 | 30.20 | 63.00 | 47.00 | 32.40 | 65.00 | 49.00 | 34.50 | 69.00 | 51.00 |
| Blue | 25.93 | 58.99 | 40.98 | 28.00 | 60.99 | 38.98 | 29.76 | 60.99 | 38.98 | 29.68 | 62.99 | 40.98 | 32.10 | 64.99 | 40.98 | 34.25 | 66.99 | 40.98 |
| Black | 26.42 | 60.99 | 36.98 | 27.78 | 60.99 | 34.97 | 29.54 | 60.99 | 36.98 | 28.97 | 60.99 | 36.98 | 31.22 | 62.99 | 36.98 | 34.20 | 62.99 | 36.98 |
| Red | 26.10 | 61.00 | 45.00 | 28.20 | 61.00 | 43.00 | 30.20 | 61.00 | 43.00 | 30.40 | 63.00 | 47.00 | 32.80 | 67.00 | 45.00 | 34.70 | 67.00 | 45.00 |
| Blue + Diffuser | 24.60 | 63.00 | 35.00 | 26.30 | 63.00 | 31.00 | 27.90 | 65.00 | 33.00 | 28.00 | 63.00 | 31.00 | 30.30 | 67.00 | 31.00 | 32.10 | 69.00 | 31.00 |
| Black + Diffuser | 24.48 | 64.99 | 34.97 | 25.67 | 64.99 | 34.97 | 27.12 | 64.99 | 34.97 | 27.21 | 62.99 | 30.97 | 29.46 | 64.99 | 30.97 | 31.30 | 66.99 | 30.97 |
| MAIN NOZZLE #44 – GREEN | | | | | | | | | MAIN NOZZLE #48 – BLACK | | | | | | | | | |
| Pressure (psi) | 60 | | 70 | | 80 | | 70 | | 80 | | 90 | | 70 | | 80 | | 90 | |
| Orange | 29.30 | 65.00 | 27.00 | 31.70 | 69.00 | 27.00 | 33.70 | 71.00 | 27.00 | 35.00 | 73.00 | 29.00 | 37.60 | 75.00 | 29.00 | 39.70 | 79.00 | 29.00 |
| Green | 32.80 | 65.00 | 47.00 | 35.40 | 67.00 | 43.00 | 37.80 | 69.00 | 43.00 | 38.30 | 71.00 | 45.00 | 40.70 | 77.00 | 45.00 | 42.80 | 77.00 | 47.00 |
| Blue | 32.27 | 64.99 | 38.98 | 35.00 | 66.99 | 38.98 | 37.16 | 69.00 | 38.98 | 37.47 | 71.00 | 40.98 | 39.49 | 75.00 | 38.98 | 42.27 | 75.00 | 38.98 |
| Black | 31.79 | 64.99 | 34.97 | 34.25 | 66.99 | 34.97 | 36.50 | 71.00 | 32.97 | 37.47 | 75.00 | 36.98 | 40.11 | 77.00 | 34.97 | 42.14 | 78.97 | 36.98 |
| Red | 32.30 | 65.00 | 45.00 | 34.90 | 67.00 | 45.00 | 37.10 | 67.00 | 33.00 | 37.80 | 73.00 | 47.00 | 40.40 | 73.00 | 47.00 | 42.80 | 77.00 | 47.00 |
| Blue + Diffuser | 30.90 | 67.00 | 33.00 | 33.20 | 73.00 | 31.00 | 35.50 | 73.00 | 33.00 | 36.00 | 77.00 | 31.00 | 38.30 | 77.00 | 31.00 | 40.60 | 77.00 | 31.00 |
| Black + Diffuser | 29.06 | 64.99 | 32.97 | 31.22 | 69.00 | 28.97 | 33.37 | 71.00 | 30.97 | 35.22 | 73.00 | 30.97 | 37.25 | 73.00 | 30.97 | 39.14 | 77.00 | 30.97 |

751 Series Metric Performance Data

| REAR SPREADER NOZZLES | | | | | | | | | | | | | | | | | | |
|--------------------------|-------------|--------------|----------|-------------|--------------|----------|-------------|--------------|--------------------------|-------------|--------------|----------|-------------|--------------|----------|-------------|--------------|----------|
| Spreader Nozzle Color | Flow (m³/h) | Nozzle Range | | Flow (m³/h) | Nozzle Range | | Flow (m³/h) | Nozzle Range | | Flow (m³/h) | Nozzle Range | | Flow (m³/h) | Nozzle Range | | Flow (m³/h) | Nozzle Range | |
| | | Main (m) | Rear (m) | | Main (m) | Rear (m) | | Main (m) | Rear (m) | | Main (m) | Rear (m) | | Main (m) | Rear (m) | | Main (m) | Rear (m) |
| MAIN NOZZLE #28 – WHITE | | | | | | | | | MAIN NOZZLE #32 – BLUE | | | | | | | | | |
| Pressure (bar) | 4.1 | | 4.8 | | 5.5 | | 4.1 | | 4.8 | | 5.5 | | 4.1 | | 4.8 | | 5.5 | |
| Orange | 4.54 | 16.76 | 7.62 | 4.86 | 16.76 | 7.01 | 5.18 | 16.76 | 7.01 | 5.02 | 18.59 | 8.84 | 5.31 | 18.59 | 8.84 | 5.72 | 18.59 | 8.84 |
| Green | 5.20 | 15.54 | 14.33 | 5.45 | 16.15 | 13.72 | 5.81 | 15.54 | 14.33 | 5.59 | 17.37 | 14.33 | 6.04 | 17.98 | 13.72 | 6.45 | 17.98 | 13.72 |
| Blue | 5.14 | 15.54 | 13.71 | 5.54 | 15.54 | 13.71 | 5.74 | 16.15 | 13.71 | 5.58 | 17.98 | 13.10 | 6.03 | 17.98 | 13.71 | 6.42 | 18.59 | 13.71 |
| Black | 4.80 | 16.15 | 11.27 | 5.25 | 16.15 | 11.88 | 5.54 | 15.54 | 11.88 | 5.27 | 17.98 | 11.27 | 5.63 | 17.37 | 11.27 | 6.05 | 17.98 | 11.88 |
| Red | 4.97 | 16.15 | 14.94 | 5.36 | 16.76 | 14.94 | 5.70 | 16.76 | 14.33 | 5.47 | 16.76 | 14.94 | 5.68 | 17.37 | 14.33 | 6.02 | 17.37 | 14.33 |
| Blue + Diffuser | 4.75 | 17.37 | 10.06 | 4.88 | 16.76 | 10.06 | 5.20 | 16.76 | 10.06 | 5.27 | 18.59 | 9.45 | 5.66 | 18.59 | 9.45 | 5.97 | 18.59 | 9.45 |
| Black + Diffuser | 4.36 | 16.76 | 9.44 | 6.65 | 17.37 | 9.44 | 4.96 | 16.76 | 9.44 | 4.76 | 17.37 | 10.05 | 5.14 | 17.37 | 10.05 | 5.47 | 17.37 | 10.05 |
| MAIN NOZZLE #36 – YELLOW | | | | | | | | | MAIN NOZZLE #40 – ORANGE | | | | | | | | | |
| Pressure (bar) | 4.1 | | 4.8 | | 5.5 | | 4.1 | | 4.8 | | 5.5 | | 4.1 | | 4.8 | | 5.5 | |
| Orange | 5.31 | 18.59 | 8.84 | 5.77 | 19.2 | 8.84 | 6.16 | 19.2 | 8.23 | 6.29 | 21.03 | 8.84 | 6.72 | 21.03 | 8.84 | 7.18 | 21.64 | 8.84 |
| Green | 6.11 | 18.59 | 13.11 | 6.61 | 18.59 | 13.72 | 6.93 | 19.2 | 13.72 | 6.86 | 19.2 | 14.33 | 7.36 | 19.81 | 14.94 | 7.84 | 21.03 | 15.54 |
| Blue | 5.89 | 17.98 | 12.49 | 6.36 | 18.59 | 11.88 | 6.76 | 18.59 | 11.88 | 6.74 | 19.20 | 12.49 | 7.29 | 19.81 | 12.49 | 7.78 | 20.42 | 12.49 |
| Black | 6.00 | 18.59 | 11.27 | 6.31 | 18.59 | 10.66 | 6.71 | 18.59 | 11.27 | 6.58 | 18.59 | 11.27 | 7.09 | 19.20 | 11.27 | 7.77 | 19.20 | 11.27 |
| Red | 5.93 | 18.59 | 13.72 | 6.40 | 18.59 | 13.11 | 6.86 | 18.59 | 13.11 | 6.90 | 19.20 | 14.33 | 7.45 | 20.42 | 13.72 | 7.88 | 20.42 | 13.72 |
| Blue + Diffuser | 5.59 | 19.20 | 10.67 | 5.97 | 19.20 | 9.45 | 6.34 | 19.81 | 10.06 | 6.36 | 19.20 | 9.45 | 6.88 | 20.42 | 9.45 | 7.29 | 21.03 | 9.45 |
| Black + Diffuser | 5.56 | 19.81 | 10.66 | 5.83 | 19.81 | 10.66 | 6.16 | 19.81 | 10.66 | 6.18 | 19.20 | 9.44 | 6.69 | 19.81 | 9.44 | 7.11 | 20.42 | 9.44 |
| MAIN NOZZLE #44 – GREEN | | | | | | | | | MAIN NOZZLE #48 – BLACK | | | | | | | | | |
| Pressure (bar) | 4.1 | | 4.8 | | 5.5 | | 4.8 | | 5.5 | | 6.2 | | 4.8 | | 5.5 | | 6.2 | |
| Orange | 6.65 | 19.81 | 8.23 | 7.20 | 21.03 | 8.23 | 7.65 | 21.64 | 8.23 | 7.95 | 22.25 | 8.84 | 8.54 | 22.86 | 8.84 | 9.02 | 24.08 | 8.84 |
| Green | 7.45 | 19.81 | 14.33 | 8.04 | 20.42 | 13.11 | 8.59 | 21.03 | 13.11 | 8.70 | 21.64 | 13.72 | 9.24 | 23.47 | 13.72 | 9.72 | 23.47 | 14.33 |
| Blue | 7.33 | 19.81 | 11.88 | 7.95 | 20.42 | 11.88 | 8.44 | 21.03 | 11.88 | 8.51 | 21.64 | 12.49 | 8.97 | 22.86 | 11.88 | 9.60 | 22.86 | 11.88 |
| Black | 7.22 | 19.81 | 10.66 | 7.78 | 20.42 | 10.66 | 8.29 | 21.64 | 10.05 | 8.51 | 22.86 | 11.27 | 9.11 | 23.47 | 10.66 | 9.57 | 24.07 | 11.27 |
| Red | 7.34 | 19.81 | 13.72 | 7.93 | 20.42 | 13.72 | 8.43 | 20.42 | 10.06 | 8.59 | 22.25 | 14.33 | 9.18 | 22.25 | 14.33 | 9.72 | 23.47 | 14.33 |
| Blue + Diffuser | 7.02 | 20.42 | 10.06 | 7.54 | 22.25 | 9.45 | 8.06 | 22.25 | 10.06 | 8.18 | 23.47 | 9.45 | 8.70 | 23.47 | 9.45 | 9.22 | 23.47 | 9.45 |
| Black + Diffuser | 6.60 | 19.81 | 10.05 | 7.09 | 21.03 | 8.83 | 7.58 | 21.64 | 9.44 | 8.00 | 22.25 | 9.44 | 8.46 | 22.25 | 9.44 | 8.89 | 23.47 | 9.44 |

EAGLE 900 Series Rotors

SPECIFICATIONS

Radius: 63' to 97' (19.2 m to 29.6 m)

Flow Rate: 21.4 to 57.1 gpm
(1.35 to 3.60 l/s) (4.85 to 12.97 m³/h)

Arc: Full-circle, 360°

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:

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: 2.25" (5.7 cm)
Top Diameter: 7" (17.8 cm)

Nozzle Trajectory: 25°

Inlet Threads: 1.5" (3.8 cm) (15/21) ACME
Female Threaded

Holdback: SAM 15' (4.6 m) elevation

Rotation Time: 360° in ≤ 240 seconds;
210 seconds nominally

Maximum Stream Height: 20' (6.1 m)

Solenoid: 24 VAC solenoid power
requirement: 0.41 amp inrush current
(9.8 VA); **60 cycle:** 0.20 amp holding
current (4.8 VA); **50 cycle:** 0.23 amp
holding current (5.4 VA)

Surge Resistance: Up to 25kV standard
on electric models

**Top-Serviceable Rock Screen™ and
Replaceable Valve Seat:**
All 900 models

Features and Benefits

With up to a 97' (29.6 m) throw
range, the 900 Series rotors deliver
the longest throw radius coverage
in a full-circle rotor. The 900 high
performance nozzles allow you
to reach longer distances with
increased droplet size for maximum
efficiency and coverage.



HOW TO SPECIFY

| A | 900 | X | XX | XX |
|-------------|-------|-------------|--------------------|--------|
| THREAD TYPE | MODEL | BODY/ VALVE | PRESSURE REGULATOR | NOZZLE |
| ACME | 900 | E | 70 (4.8) | 44 |
| | | IC | 80 (5.5) | 48 |
| | | SAM | | 52 |
| | | | | 60 |
| | | | | 64 |

U.S. Performance Data

HIGH PERFORMANCE NOZZLES

| Base Pressure (psi) | #44 Blue | | #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) |
| 60 | 63 | 21.4 | 73 | 28.9 | 75 | 31.9 | — | — | — | — | — | — |
| 70 | 67 | 23.5 | 73 | 31.9 | 79 | 34.6 | 83 | 40.7 | 87 | 43.2 | 91 | 47.2 |
| 80 | 71 | 24.7 | 75 | 34.1 | 81 | 37.1 | 85 | 43.5 | 91 | 46.4 | 93 | 51.0 |
| 90 | 71 | 26.5 | 77 | 35.0 | 81 | 39.5 | 87 | 46.4 | 91 | 49.5 | 95 | 54.0 |
| 100 | 73 | 27.9 | 77 | 36.2 | 83 | 41.8 | 89 | 49.1 | 91 | 52.2 | 97 | 57.1 |

Metric Performance Data

HIGH PERFORMANCE NOZZLES

| Base Pressure (bar) | #44 Blue | | #48 Yellow | | #52 Orange | | #56 Green | | #60 Black | | #64 Red | |
|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) |
| 4.1 | 19.2 | 1.35 | 22.3 | 1.82 | 22.9 | 2.01 | — | — | — | — | — | — |
| 4.5 | 19.8 | 1.42 | 22.3 | 1.89 | 23.5 | 2.10 | 25.0 | 2.48 | 26.2 | 2.63 | 27.4 | 2.88 |
| 5.0 | 20.7 | 1.50 | 22.4 | 2.00 | 24.2 | 2.22 | 25.5 | 2.61 | 26.8 | 2.78 | 27.9 | 3.04 |
| 5.5 | 21.6 | 1.55 | 22.8 | 2.14 | 24.7 | 2.34 | 25.9 | 2.74 | 27.7 | 2.92 | 28.3 | 3.21 |
| 6.0 | 21.6 | 1.64 | 23.3 | 2.19 | 24.7 | 2.45 | 26.3 | 2.87 | 27.7 | 3.20 | 28.8 | 3.35 |
| 6.5 | 21.9 | 1.71 | 23.5 | 2.24 | 24.9 | 2.55 | 26.8 | 3.00 | 27.7 | 3.20 | 29.2 | 3.49 |
| 6.9 | 22.3 | 1.76 | 23.5 | 2.28 | 25.3 | 2.64 | 27.1 | 3.10 | 27.7 | 3.29 | 29.6 | 3.60 |

EAGLE 950 Series Rotors

SPECIFICATIONS

Radius: 70' to 92' (21.3 m to 28.0 m)

Flow Rate: 19.5 to 59.4 gpm (1.23 to 3.75 l/s)
(4.43 to 13.49 m³/h)

Arc: Part-circle, 40° 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: 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: 2.25"
(5.7 cm)
Top Diameter: 7" (17.8 cm)

Nozzle Trajectory: 25°

Inlet Threads: 1.5" (3.8 cm) (15/21) ACME
Female Threaded

Holdback: SAM 15' (4.6 m) elevation

Rotation Time: 180° in ≤ 120 seconds;
105 seconds nominally

Maximum Stream Height: 20' (6.1 m)

Solenoid: 24 VAC solenoid power requirement:
0.41 amp inrush current (9.8 VA);
60 cycle: 0.20 amp holding current (4.8 VA);
50 cycle: 0.23 amp holding current (5.4 VA)

Surge Resistance: Up to 25kV standard on
electric models

**Top-Serviceable Rock Screen™ and
Replaceable Valve Seat:** All 950 models

Features and Benefits

With up to a 92' (28.0 m) throw
range, the 950 Series rotors deliver
the longest throw radius coverage
in a part-circle rotor. The 950 high
performance nozzles allow you to
reach longer distances with increased
droplet size for maximum efficiency
and coverage.

HOW TO SPECIFY

| A | 950 | X | XX | XX |
|-------------|-------|-------------|--------------------|--------|
| THREAD TYPE | MODEL | BODY/ VALVE | PRESSURE REGULATOR | NOZZLE |
| ACME | 950 | E | 70 (4.8) | 18 26 |
| | | IC | 80 (5.5) | 20 28 |
| | | SAM | | 22 30 |
| | | | | 24 32 |



U.S. Performance Data

DUAL SPREADER™ NOZZLES

| Base Pressure (psi) | #18 White-C | | #20 Gray-C | | #22 Blue-C | | #24 Yellow-C | | #26 Orange | | #28 Green | | #30 Black | | #32 Brown | |
|---------------------|-------------|------------|-------------|------------|-------------|------------|--------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|
| | 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) | Radius (ft) | Flow (gpm) |
| 60 | 70 | 19.5 | 72 | 23.0 | 74 | 26.5 | 76 | 30.8 | 78 | 36.0 | — | — | — | — | — | — |
| 70 | 72 | 21.3 | 74 | 25.1 | 76 | 28.8 | 80 | 33.5 | 82 | 38.7 | 84 | 42.9 | 84 | 47.3 | 84 | 50.4 |
| 80 | 74 | 22.9 | 76 | 27.0 | 80 | 30.9 | 84 | 36.0 | 84 | 41.5 | 86 | 47.3 | 86 | 50.4 | 85 | 53.1 |
| 90 | 75 | 24.4 | 78 | 28.7 | 82 | 32.9 | 88 | 38.4 | 86 | 43.4 | 89 | 48.5 | 90 | 52.9 | 88 | 55.6 |
| 100 | 76 | 25.8 | 80 | 30.5 | 84 | 34.6 | 90 | 40.5 | 88 | 46.7 | 91 | 52.2 | 92 | 55.8 | 92 | 59.4 |

Metric Performance Data

DUAL SPREADER™ NOZZLES

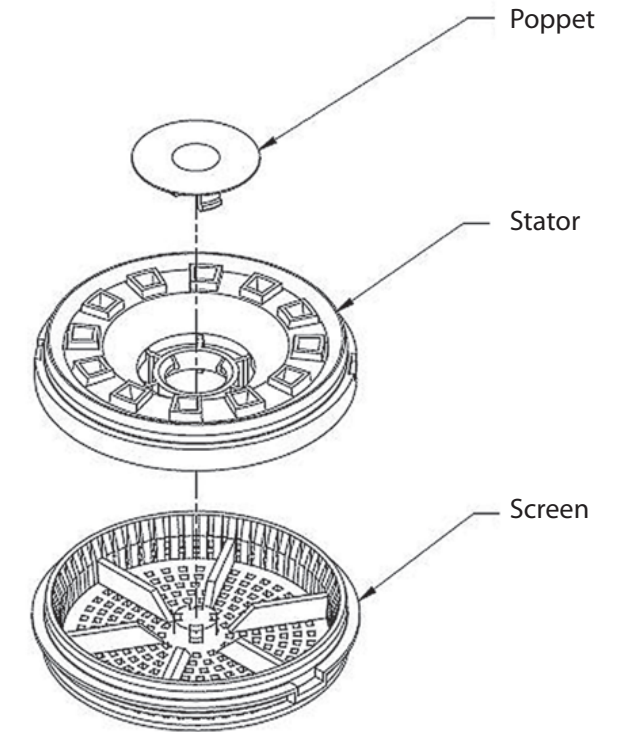
| Base Pressure (bar) | #18 White-C | | #20 Gray-C | | #22 Blue-C | | #24 Yellow-C | | #26 Orange | | #28 Green | | #30 Black | | #32 Brown | |
|---------------------|-------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) | Radius (m) | Flow (l/s) |
| 4.1 | 21.3 | 1.23 | 21.9 | 1.45 | 22.6 | 1.67 | 23.2 | 1.94 | 23.8 | 2.27 | — | — | — | — | — | — |
| 4.5 | 21.7 | 1.29 | 22.3 | 1.52 | 22.9 | 1.75 | 23.8 | 2.03 | 24.4 | 2.36 | 25.2 | 2.62 | 25.2 | 2.90 | 25.3 | 3.10 |
| 5.0 | 22.1 | 1.37 | 22.7 | 1.61 | 23.5 | 1.85 | 24.7 | 2.15 | 25.1 | 2.49 | 25.8 | 2.78 | 25.8 | 3.03 | 25.7 | 3.22 |
| 5.5 | 22.5 | 1.44 | 23.2 | 1.70 | 24.4 | 1.95 | 25.6 | 2.27 | 25.6 | 2.61 | 26.2 | 2.98 | 26.2 | 3.18 | 25.9 | 3.35 |
| 6.0 | 22.8 | 1.51 | 23.6 | 1.78 | 24.8 | 2.04 | 26.5 | 2.38 | 26.0 | 2.70 | 26.9 | 3.04 | 27.1 | 3.29 | 26.6 | 3.46 |
| 6.5 | 23.0 | 1.58 | 24.0 | 1.86 | 25.3 | 2.12 | 27.1 | 2.48 | 26.5 | 2.83 | 27.4 | 3.16 | 27.7 | 3.42 | 27.3 | 3.61 |
| 6.9 | 23.2 | 1.63 | 24.4 | 1.92 | 25.6 | 2.18 | 27.4 | 2.56 | 26.8 | 2.95 | 27.7 | 3.29 | 28.0 | 3.52 | 28.0 | 3.75 |



| Features | 551 | 700 | 751 | 900 | 950 |
|--|--|--|--|---|---|
| Radius | 32' to 55' (9.8 m to 16.8 m) | 57' to 79' (17.4 m to 23.5 m) | 37' to 75' (11.2 m to 22.3 m) | 63' to 97' (19.2 m to 29.6 m) | 70' to 92' (21.3 m to 28.0 m) |
| Flow Rate | 6.83 to 13.63 gpm (0.43 to 0.86 l/s) (1.55 to 3.10 m ³ /h) | 16.3 to 43.8 gpm (1.03 to 2.76 l/s) (3.70 to 9.95 m ³ /h) | 7.0 to 37.7 gpm (0.44 to 2.38 l/s) (1.59 to 8.56 m ³ /h) | 21.4 to 57.1 gpm (1.35 to 3.60 l/s) (4.85 to 12.97 m ³ /h) | 19.5 to 59.4 gpm (1.23 to 3.75 l/s) (4.43 to 13.49 m ³ /h) |
| Arc | Full-circle 360° Adjustable 30° to 345° | Full-circle 360° | Full-circle 360° Adjustable 30° to 345° | Full-circle 360° | Adjustable 40° to 345° |
| Models | Full- and Part-Circle 551E: Electric 551IC: Integrated Control 551SAM: Stopamatic 551B: Seal-A-Matic™ | Full-Circle 700E: Electric 700IC: Integrated Control 700SAM: Stopamatic 700B: Seal-A-Matic™ | Full- and Part-Circle 751E: Electric 751IC: Integrated Control 751SAM: Stopamatic 751B: Seal-A-Matic™ | Full-Circle 900E: Electric 900IC: Integrated Control 900SAM: Stopamatic | Part-Circle 950E: Electric 950IC: Integrated Control 950SAM: Stopamatic |
| Maximum Inlet Pressure | Models E and IC: 150 psi (10.3 bar) Models SAM and B: 100 psi (6.9 bar) | Models E and IC: 150 psi (10.3 bar) Models SAM and B: 100 psi (6.9 bar) | Models E and IC: 150 psi (10.3 bar) Models SAM and B: 100 psi (6.9 bar) | Models E and IC: 150 psi (10.3 bar) Model SAM: 100 psi (6.9 bar) | |
| Pressure Regulation Range | 60 to 100 psi (4.1 to 6.9 bar) | 60 to 100 psi (4.1 to 6.9 bar) | 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) | 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 | Models E, IC, SAM: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm) | Models E, IC, SAM: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm) | Models E, IC, SAM: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm) | 13.4" (34.0 cm) | |
| Pop-Up Height | 2.6" (6.6 cm) | 2.6" (6.6 cm) | 2.6" (6.6 cm) | 2.25" (5.7 cm) | |
| Top Diameter | Models E, IC, SAM: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm) | Models E, IC, SAM: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm) | Models E, IC, SAM: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm) | 7" (17.8 cm) | |
| Nozzle Trajectory | 51 Nozzle: 12° 52, 53, 54 Nozzles: 25° | Standard: 25° Wind Tolerant: 12° | Standard: 25° Wind Tolerant: 12° Low-Angle: 15° | 25° | |
| Inlet Threads | Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded Model B: 1" (2.5 cm) ACME Female Threaded | Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded Model B: 1" (2.5 cm) ACME Female Threaded | Models E, IC, SAM: 1.25" (3.2 cm) ACME Female Threaded Model B: 1" (2.5 cm) ACME Female Threaded | 1.5" (3.8 cm) (15/21) ACME Female Threaded | |
| Holdback | Block: 10' (3.1 m) of elevation SAM: 15' (4.6 m) of elevation | Block: 10' (3.1 m) of elevation SAM: 15' (4.6 m) of elevation | Block: 10' (3.1 m) of elevation SAM: 15' (4.6 m) of elevation | SAM: 15' (4.6 m) elevation | |
| Rotation Time | 360° in ≤ 180 seconds; 150 seconds nominally 180° in ≤ 90 seconds; 75 seconds nominally | 360° in ≤ 180 seconds; 150 seconds nominally | 180° in ≤ 90 seconds; 75 seconds nominally | 360° in ≤ 240 seconds; 210 seconds nominally | 180° in ≤ 120 seconds; 105 seconds nominally |
| Maximum Stream Height | 51 Nozzle: 5' (1.5 m) 52, 53, 54 Nozzles: 13' (4.0 m) | Standard: 17' (5.2 m) Wind Tolerant: 10' (3.1 m) | Standard: 17' (5.2 m) Wind Tolerant: 10' (3.1 m) Low-Angle: 12' (3.7 m) | 20' (6.1 m) | |
| Solenoid | 24 VAC solenoid power requirement | 24 VAC solenoid power requirement | 24 VAC solenoid power requirement | 24 VAC solenoid power requirement | |
| Surge Resistance | Up to 25kV standard on electric models with the GBS-25 solenoid | Up to 25kV standard on electric models | Up to 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, SAM | E, IC, SAM | E, IC, SAM | |

Golf Rotor Stator Configuration

| Nozzle | Pressure Settings psi (bar) | | | | All SAM and B |
|-------------|-----------------------------|----------|----------|-----------|---------------|
| | 60 (4.1) | 70 (4.8) | 80 (5.5) | 100 (6.9) | |
| 551 | | | | | |
| #51-Blue* | S-4 | S-4 | S-4 | S-4 | S-4 |
| #52-Beige* | S-4 | S-4 | S-4 | S-4 | S-4 |
| #53-Gray* | S-4 | S-4 | S-4 | S-4 | S-4 |
| #54-Red* | S-8 | S-8 | S-8 | S-8 | S-8 |
| 700 | | | | | |
| #28-White | SPC | SPC | SPC | SPC | SPC |
| #32-Blue | SPO | SPO | SPO | SPO | SPO |
| #36-Yellow | SPO | SPO | SPO | SPO | SPO |
| #40-Orange | SNP | SNP | SNP | SNP | SNP |
| #44-Green | SNP | SNP | SNP | SNP | SNP |
| #48-Black | N/R | SNP | SPR | SPR | SNP |
| #16 WTN | SPC | SPC | SPC | SPC | SPC |
| #18 WTN | SPO | SPO | SPO | SPO | SPO |
| #22 WTN | N/R | SNP | SNP | SNP | SNP |
| 751 | | | | | |
| #20-Gray* | S-4 | S-4 | S-4 | S-4 | S-4 |
| #22-Red* | S-8 | S-8 | S-8 | S-8 | S-8 |
| #28-White | SPC | SPC | SPC | SPC | SPC |
| #32-Blue | SPO | SPO | SPO | SPO | SPO |
| #36-Yellow | SPO | SPO | SPO | SPO | SPO |
| #40-Orange | SNP | SNP | SNP | SNP | SNP |
| #44-Green | SNP | SNP | SNP | SNP | SNP |
| #48-Black | SNP | SPR | SPR | SPR | SNP |
| #16 WTN | SPC | SPC | SPC | SPC | SPC |
| #18 WTN | SPO | SPO | SPO | SPO | SPO |
| #22 WTN | N/R | SNP | SNP | SNP | SNP |
| 900 | | | | | |
| #44-Blue | SPC | SPC | SPC | SPC | SPC |
| #48-Yellow | SPC | SPC | SPC | SPC | SPC |
| #52-Orange | SPC | SPO | SPO | SPO | SPO |
| #56-Green | N/R | SNP | SNP | SNP | SNP |
| #60-Black | N/R | SNP | SPR | SPR | SPR |
| #64-Red | N/R | SPR | SPR | SPR | SPR |
| 950 | | | | | |
| #18C-White | SPC | SPC | SPC | SPC | SPC |
| #20C-Gray | SPC | SPC | SPC | SPC | SPC |
| #22C-Blue | SPC | SPC | SPC | SPC | SPC |
| #24C-Yellow | SPC | SPC | SPO | SPO | SPO |
| #26-Orange | SPO | SPO | SPO | SPO | SPO |
| #28-Green | N/R | SNP | SPR | SPR | SPR |
| #30-Black | N/R | SNP | SPR | SPR | SPR |
| #32-Brown | N/R | SNP | SPR | SPR | SPR |



Key:

- SPC = Stator Poppet Closed
 - SPO = Stator Poppet Open
 - SNP = Stator No Poppet
 - SPR = Spacer
 - SO = Screen Only
 - S4 = Stator with four holes
 - S8 = Stator with eight holes
 - N/R = Not a recommended pressure and nozzle combination
- * Requires low-flow valve

Swing Joints

Featuring superior flow characteristics and excellent structural integrity, these swing joints are designed to deliver the performance you expect from Rain Bird while saving you money. They are available in a wide range of configurations. Rain Bird® Swing Joints are the perfect complement to our golf series rotors.

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 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.

Color-coding and Distinct Size Markings. Reduce costs by eliminating errors and improving installation efficiency with quick size identification at the job site.

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.

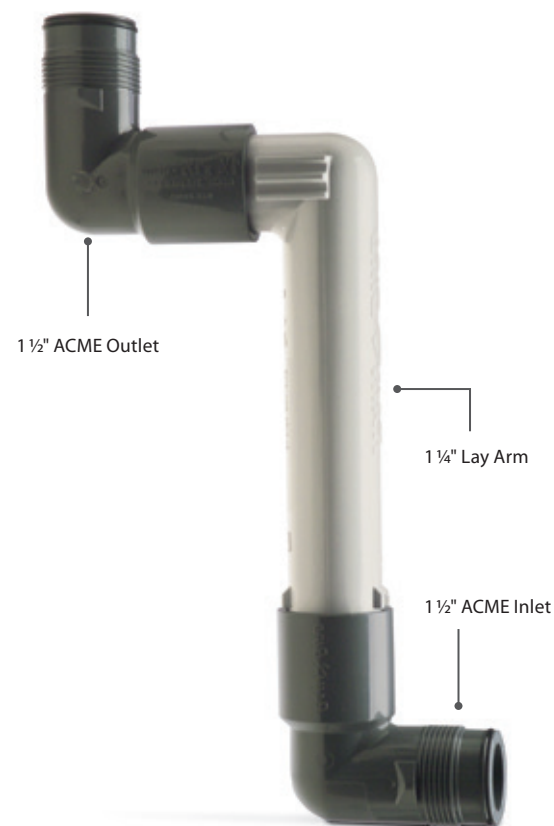
Extended Warranty. When used with Rain Bird golf rotors, extends rotor and swing joint warranty to five years.

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.

Available for 1", 1 ¼", and 1 ½" swing joints, the adapter adds only about 1 ¾" to the installed height of the rotor, and is rated at the same operating pressures as Rain Bird Swing Joints.



HOW TO SPECIFY*

| J - X | X | X - 00 | X | X |
|--------------|--------------------------------|-------------------------------|---|---|
| LENGTH | CONFIG | CONFIG | INLET STYLE | OUTLET STYLE |
| Lay Pipe Arm | 0 = Standard 1 = Triple Top | 0 = Standard 1 = Top Mount | 1 = NPT 2 = BSP 3 = ACME 4 = Spigot R = Reducing ACME Inlet † | 1 = NPT 2 = BSP 3 = ACME 4 = Enlarging NPT † 6 = Enlarging ACME Inlet † |
| A = 1" 8" | | | | |
| B = 1" 12" | | | | |
| C = 1" 18" | | | | |
| D = 1 ¼" 8" | | | | |
| E = 1 ¼" 12" | | | | |
| F = 1 ¼" 18" | | | | |
| G = 1 ½" 8" | | | | |
| H = 1 ½" 12" | | | | |
| I = 1 ½" 18" | | | | |

*Not all configurations are available. † Enlarging outlet available only on 1" and 1 ¼" diameter models ‡ Reducing inlet available on 1 ¼" diameter models

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 900/950/1100/1150



D02236 – Snap-Ring Pliers 551/700/751



B41730 – Valve Insertion Tool 900/950



B41710 – Valve Insertion Tool 551/700/751



Y05100 – Rotor Tool



D02237 – Installation Socket for Top-Serviceable Rock Screen



236571 – UF Cable Stripper



D02221 – 18" Selector Valve Key



B41720 – Selector Service Tool/Key



D05205 – Universal Hose Adapter



D02215 – 7" 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.

